

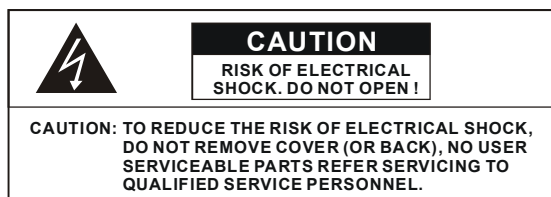
Thank you for purchasing our product.
Please read this User's Manual before
using the product. Change without Notice

IP CAMERA

User's Manual



Safety Precautions



This label may appear on the bottom of the unit due to space limitations.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of insulated dangerous Voltage within the product's enclosure that may be sufficient magnitude to constitute risk of electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS NOT SPECIFICALLY DESIGNED FOR



Attention: installation should be performed by qualified service Personnel only in accordance with the National Electrical Code or applicable local codes.



Power Disconnect. Units with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is the ON position. The power cord is the main power disconnect for all unites.



“CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instruction.”

Warranty
and Service

During the warranty period (one year), we will repair or replace the DVR free of charge.

Be sure to have the model number, serial number and vendor stick on hard disk for service representative.

FCC Statement:

WARNING

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received including interference that may cause undesired operation."

*** Federal Communications Commission (FCC) Statement**

WARNING

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

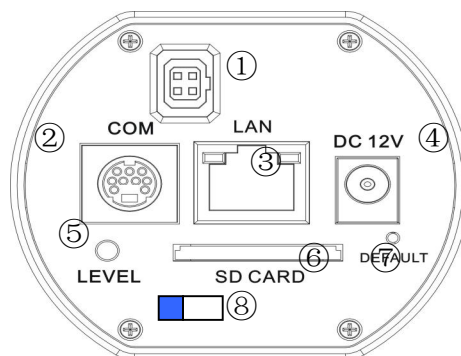
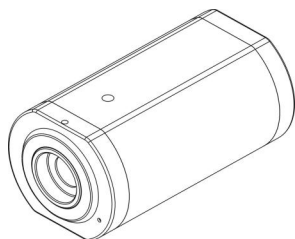
* You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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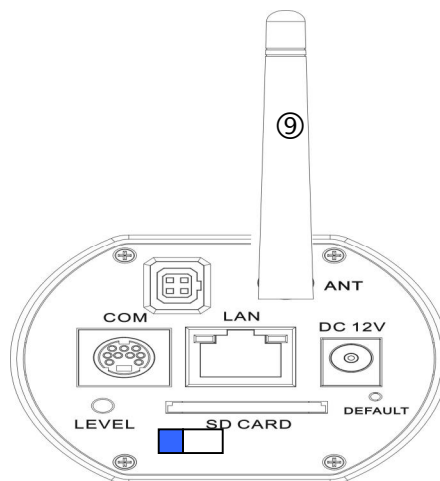
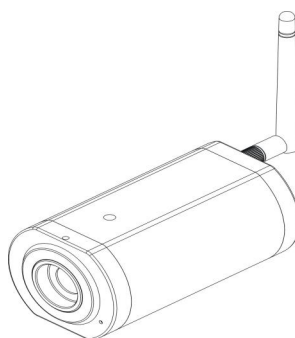
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1. IP Camera I / O

Type A



Type B

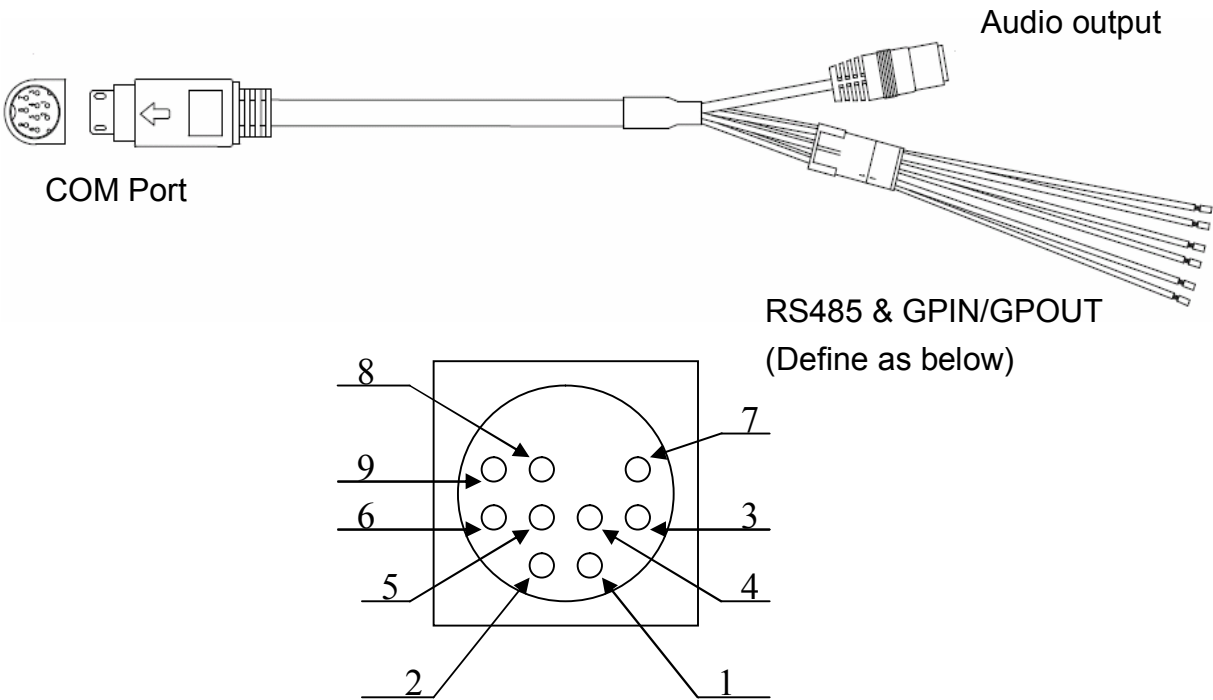


Function Define:

Type A & B

① Auto Lens connector	
② COM	COM port connector
③ LAN	RJ-45 network connector
④ DC 12 V	Power input 12 VDC / 1 A
⑤ Level	DC lens level adjustment
⑥ SD card	Secure Digital card
⑦ DEFAULT	Factory default
⑧ Lens switch	AES : Fixed Lens VIDEO : Video Lens DC : DC Lens
⑨ Wireless	Wireless network (option)

COM port define :

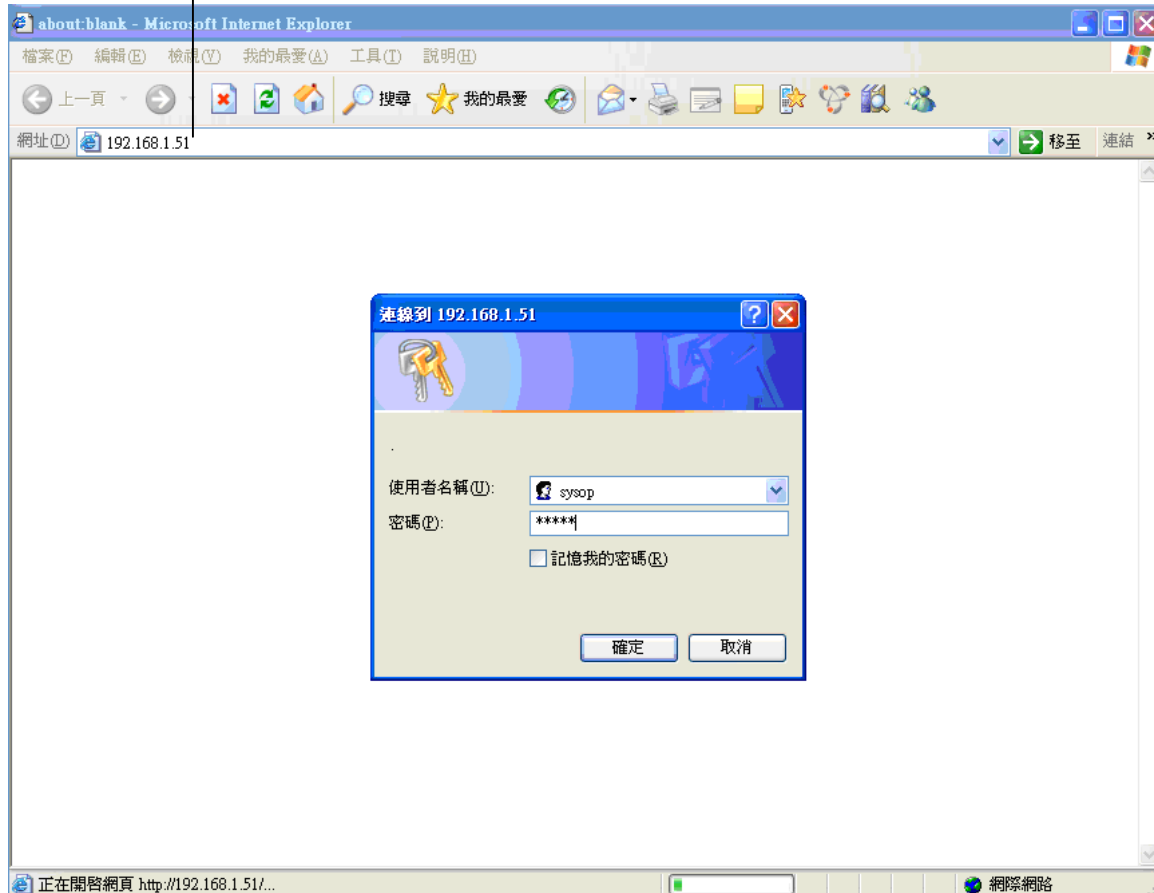


COM Port define			Mapping (Color)
1	485A	RS 485 +	Black
2	485B	RS 485 -	Red
3	GPIN	Alarm in	Yellow
4	GND	Alarm ground	Brown
5	GPOUT+	Relay +	Orange
6	GPOUT-	Relay -	Green
7	GND	Audio ground	Audio output
8	Lineout R	Audio lineout R	
9	Lineout L	Audio lineout L	

2. IP Camera Function Setup

Type the default IP camera address in IE browser URL.

192.168.1.51



Default name and password is “sysop”

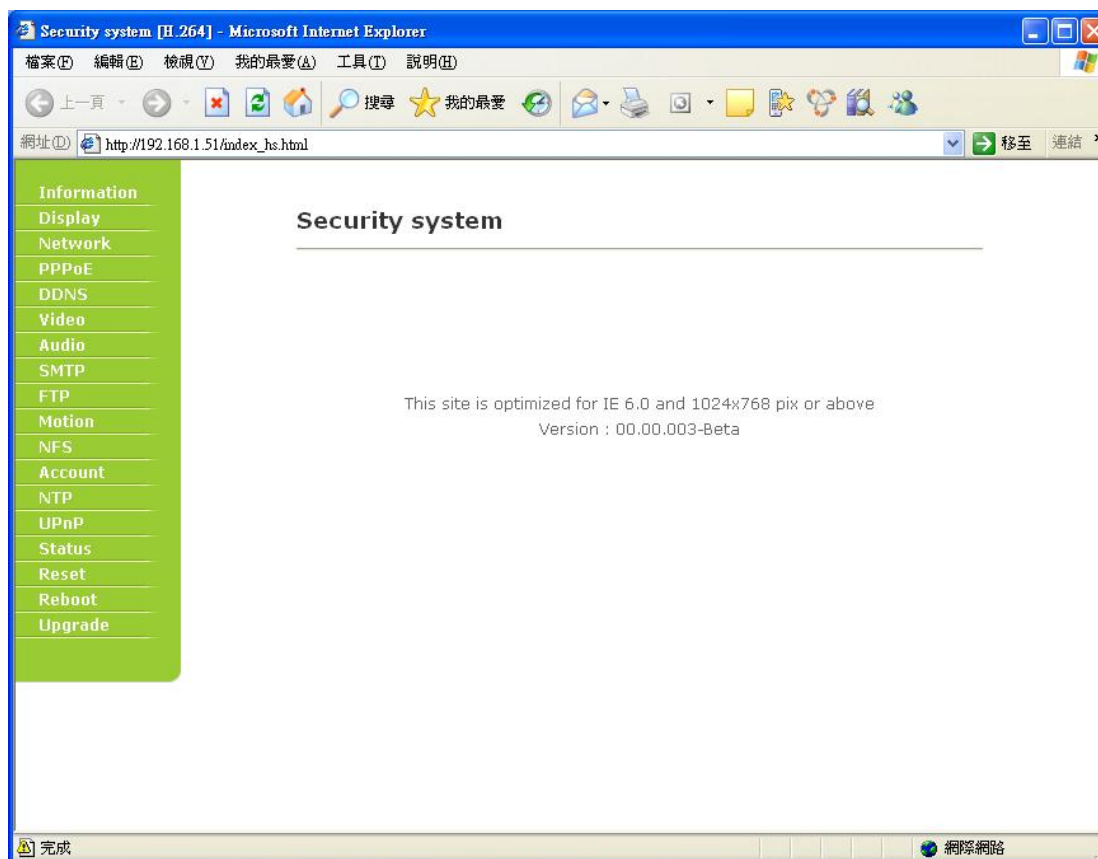
Suggest computer system:

- CPU : up to P4-2.4 G
- RAM : up to 256 MB (for 4 channels connection), 1GB will be better (for 16 channels connection)
- VGA card : nVidia 8400 GS 128 MB VRAM (for 4 channels connection), 8500GT 256 MB VRAM (for 16 channels connection)

NOTICE:

1. Install Security_Viewer_Setup.exe of the CD-ROM . Direct X 9.0b or higher is required.
2. Go to IE browser to setup parameters such as PPPoE & DDNS, DHCP or STATIC type.

The default IP address is 192.168.1.51

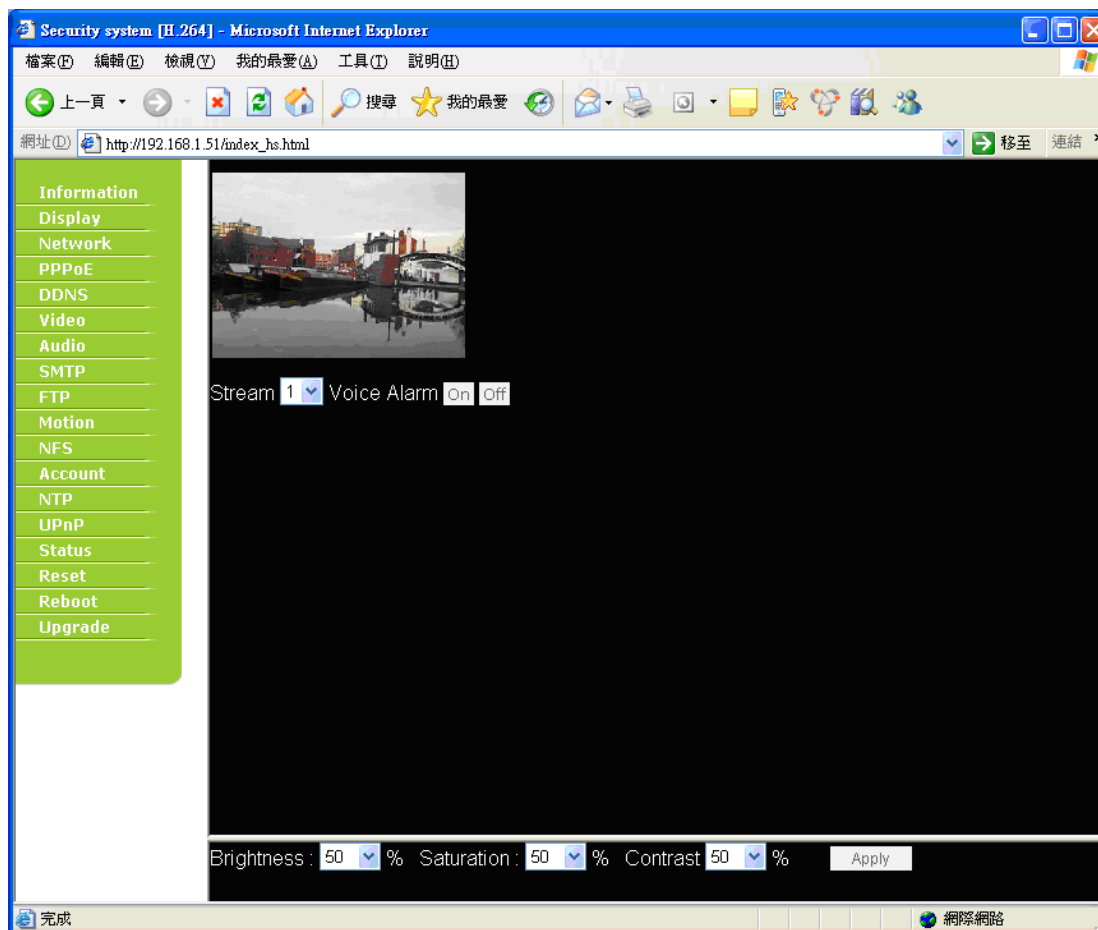


Information	Display the IP Camera Firmware version
Display	Live image display
Network	Network function setup
PPPoE	ADSL dialing account setup
DDNS	DDNS setup
Video	Video transfer type setup
Audio	Audio transfer type setup
SMTP	Simple Mail Transfer Protocol setup
FTP	File Transfer Protocol
Motion	Motion detection setup
NFS	Network File server setup
Account	Login ID and password setup
NTP	Network Time Protocol
UPnP	Universal plug & play
Status	Connection Status of IP camera
Reset	Factory default
Reboot	Device reboot
Upgrade	Update new firmware

* See each function details for all next pages

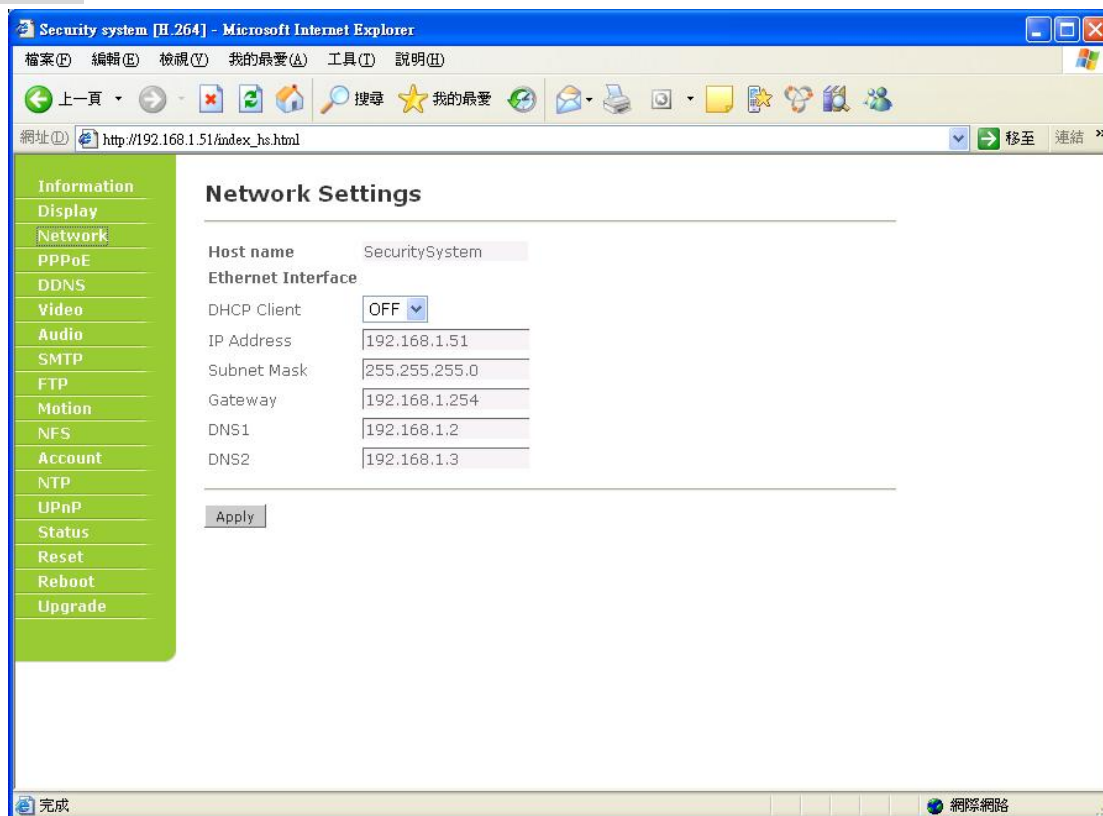
2.1 DISPLAY

Click Display to start view live video image



Stream	Depend on video setting values , switch stream1 or stream2
Voice Alarm	ON / OFF. to send out a warning voice.
Brightness	Live image brightness adjust. 10 ~ 100%
Saturation	Live image saturation adjust. 10 ~ 100%
Contrast	Live image contrast adjust. 10 ~ 100%
Apply	Click Apply button after image adjustment

2.2 Network



Host name : Setup this IP Camera host name

Ethernet Interface

DHCP Client	ON / OFF (If set ON , the local LAN need a DHCP server)
IP Address	Input the Fixed IP address (if DHCP set off)
Subnet Mask	Input the Subnet mask (if DHCP set off)
Gateway	Input the local LAN router IP address
DNS1	Input primary DNS IP address
DNS2	Input secondary DNS IP address

2.3 WLAN (Option)

Security system - Microsoft Internet Explorer

檔案(E) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

上一頁 搜尋 我的最愛

網址 http://192.168.1.51/index_pc.html

Display
Network
WLAN
PPPoE
DDNS
Video
Audio
SMTP
FTP
Motion
Account
NTP
UPnP
Status
Reset
Reboot
Upgrade

Wireless Network Settings

Mode: Infrastructure
Channel: Auto
SSID: Security
authentication: WEP- Open System

WEP Encryption: 64
WEP Key type: HEX
WEP Key use: 1

64 bits WEP Key1
64 bits WEP Key2
64 bits WEP Key3
64 bits WEP Key4

Apply

ESSID	Address	Mode	Channel	Encryption	
dlink-dir635	00:1B:11:5E:AE:CB	Infrastructure	11	on[WPA]	...
6F-WAP2	00:1C:F0:3B:C6:CB	Infrastructure	1	on	...

Refresh

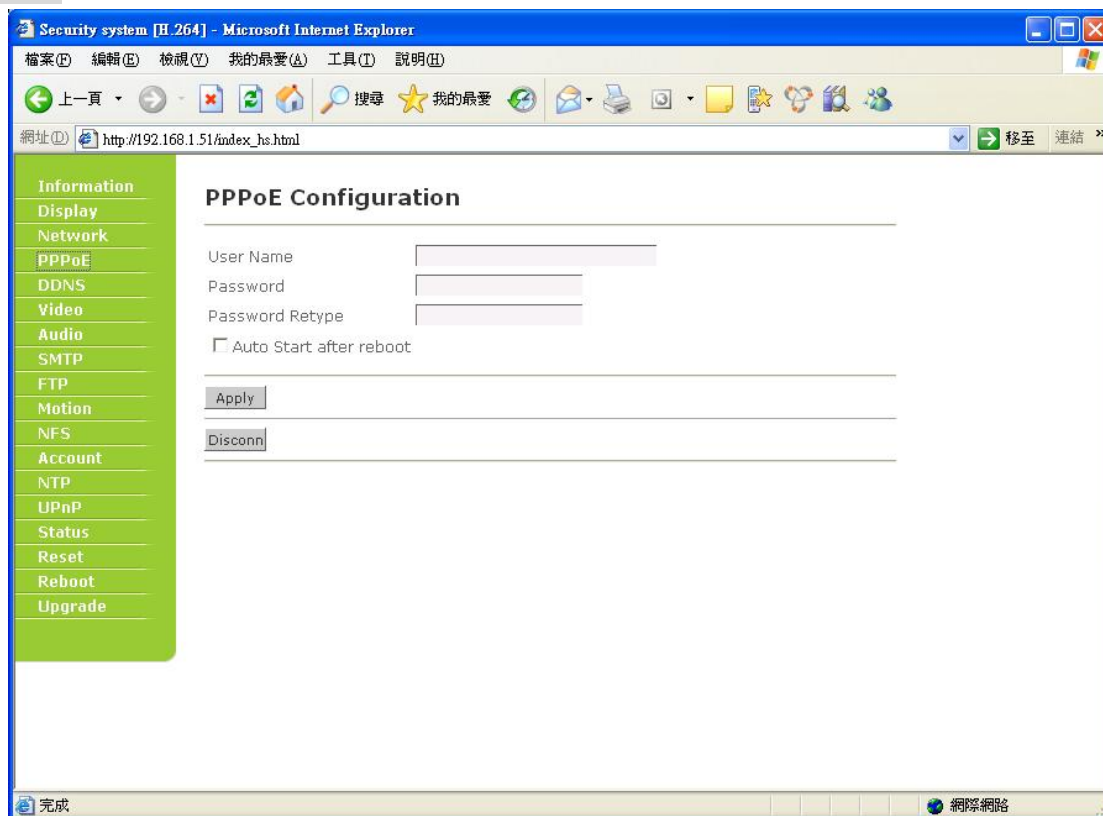
The IP Cam wireless scan list

If the button is disable, means the IP Cam can't connect to the AP
If the button is enable, means the IP Cam can connect to the AP
After press the enable button , the setting values will fill-in to the form .

Wireless Network Settings

Mode	Wireless connection type
Infrastructure	Infrastructure connection type. Must connected with Access Point
Ad-Hoc	Point to point type. It does not connected with Access Point
Channel	Wireless channel 1 ~ 11 or auto detection
SSID	1. Under Infrastructure mode, it's the wireless Access Point name 2. Under the Ad-Hoc mode, it's the IP CAM name
Authentication	1 Open System 2. Share Key
WEP Encryption	OFF : No use; 64 : 64 bit type; 128 : 128 bit type
WEP Key type	Choose HEX type, 64 bit, the Key length is 10 , 128 bit, the key length is 26 (Use HEX input : 0~ 9 and a~ f) Choose ASCII type, 64 bit, the Key length is 5 , 128 bit, the key length is 13
WEP Key use	Select key (1~ 4)

2.4 PPPoE



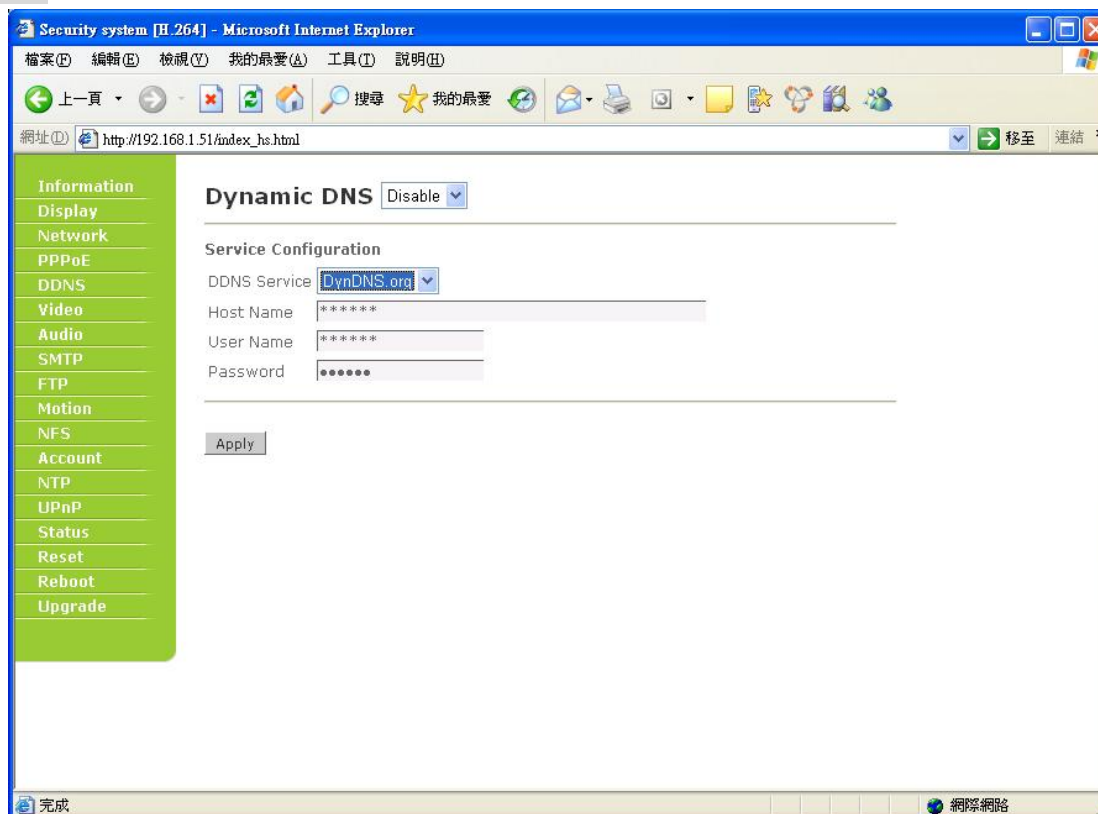
Point to Point Protocol over Ethernet is a proposal specifying how a host personal computer (PC) interacts with a broadband modem (xDSL, cable) to achieve access to the growing number of high speed data networks.

If user is going to use PPPoE connection, please obtain your login name and password from the ISP (Internet Service Provider) Company.

User Name	User network dialup login name
Password	User network dialup login password
Password Retype	User login password re-confirm
Auto Start after reboot	Auto connect after IP camera reboot

Next, obtain a free DDNS according to the lists it supplied.

2.5 DDNS



The free Dynamic DNS service allows you to alias a dynamic IP address to a static hostname in any of the many domains that allow your computer to access from locations on the Internet more easily.

The Dynamic DNS service is ideal for a home website, file server, or just to keep a pointer back to IP CAM so you can access IP camera via internet. Using one of the available third-party update clients you can keep your hostname always pointing to your IP address, no matter how often your ISP changes it.

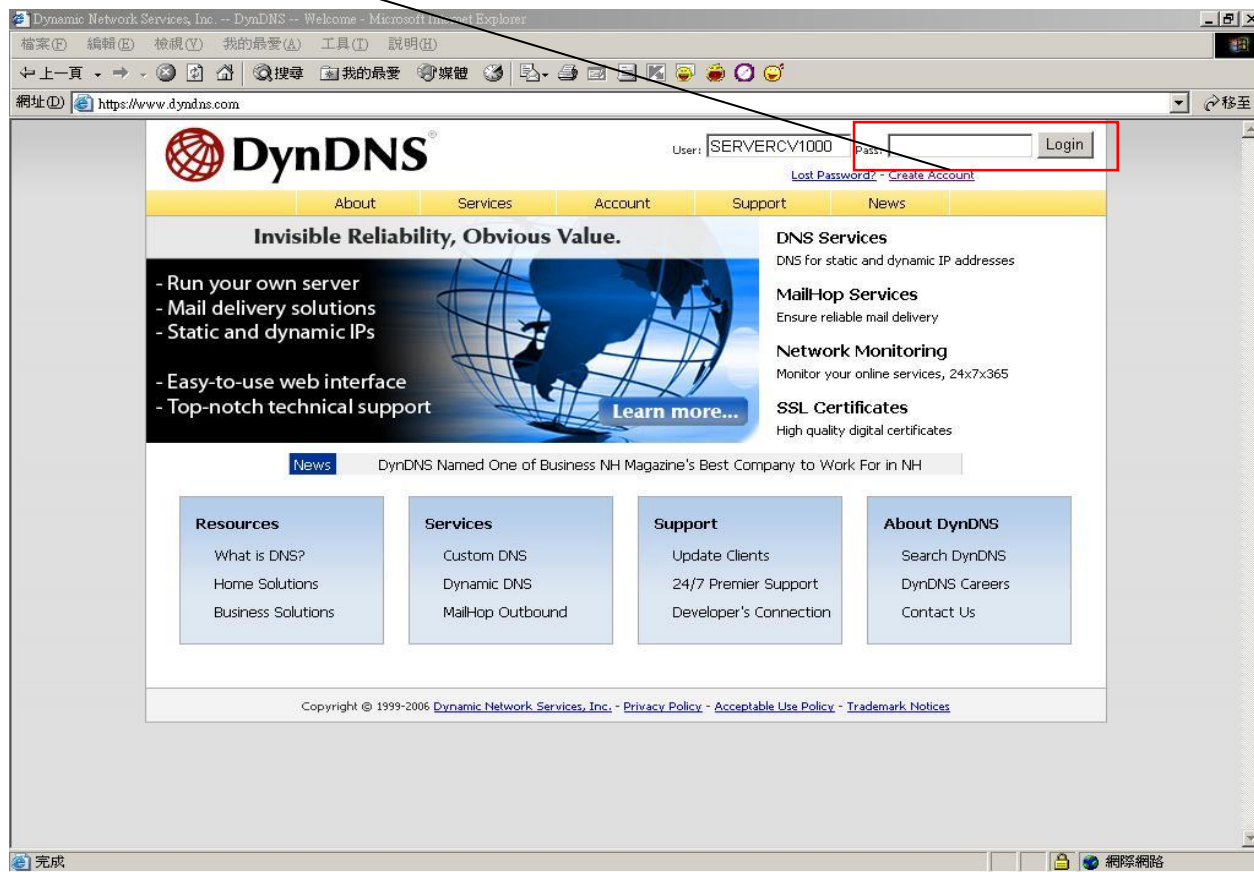
Dynamic DNS	Enable / Disable
DDNS Service	DynDNS.org / 3322.org
Host Name	DDNS host name
User Name	DDNS login name
Password	DDNS login password

If host Name is cv1000, then the correct website address typing is cv1000.dynDNS.org

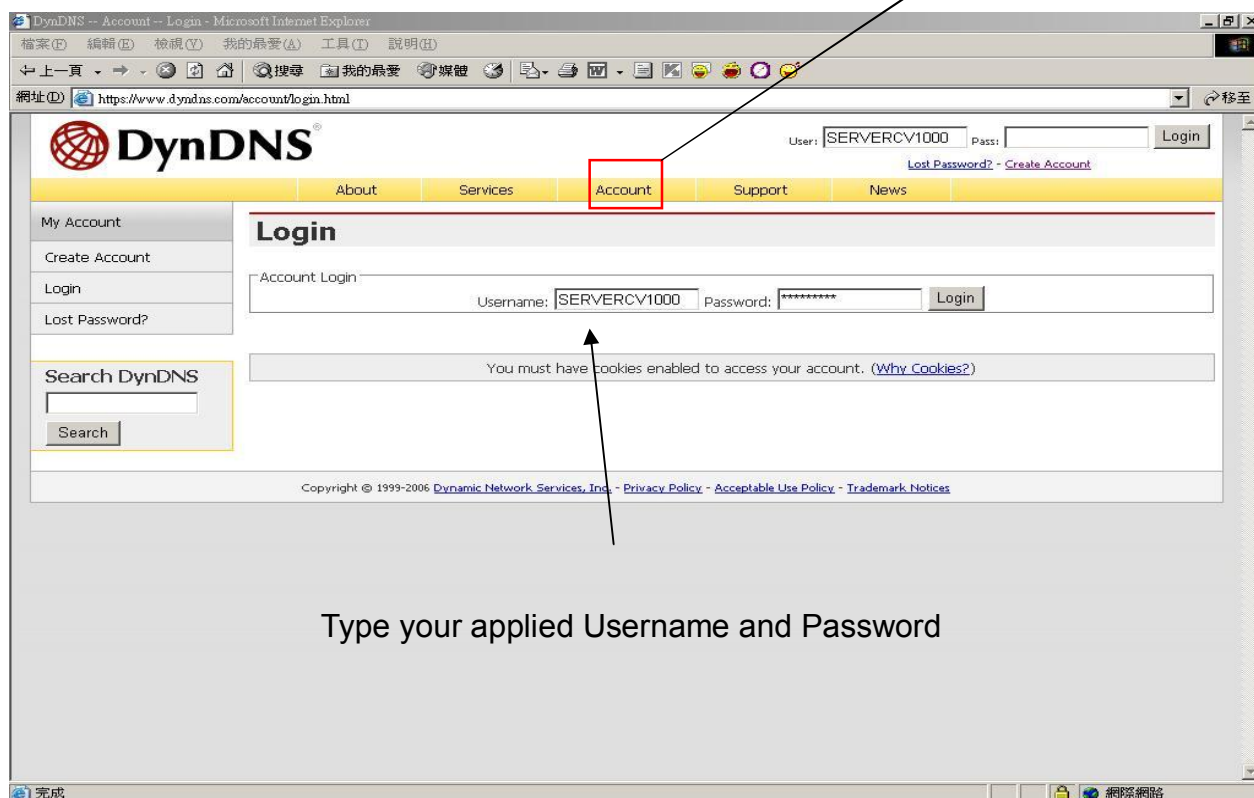
DDNS only works with PPPoE

Ex: Go to www.dyndns.com to register a free account and host name.

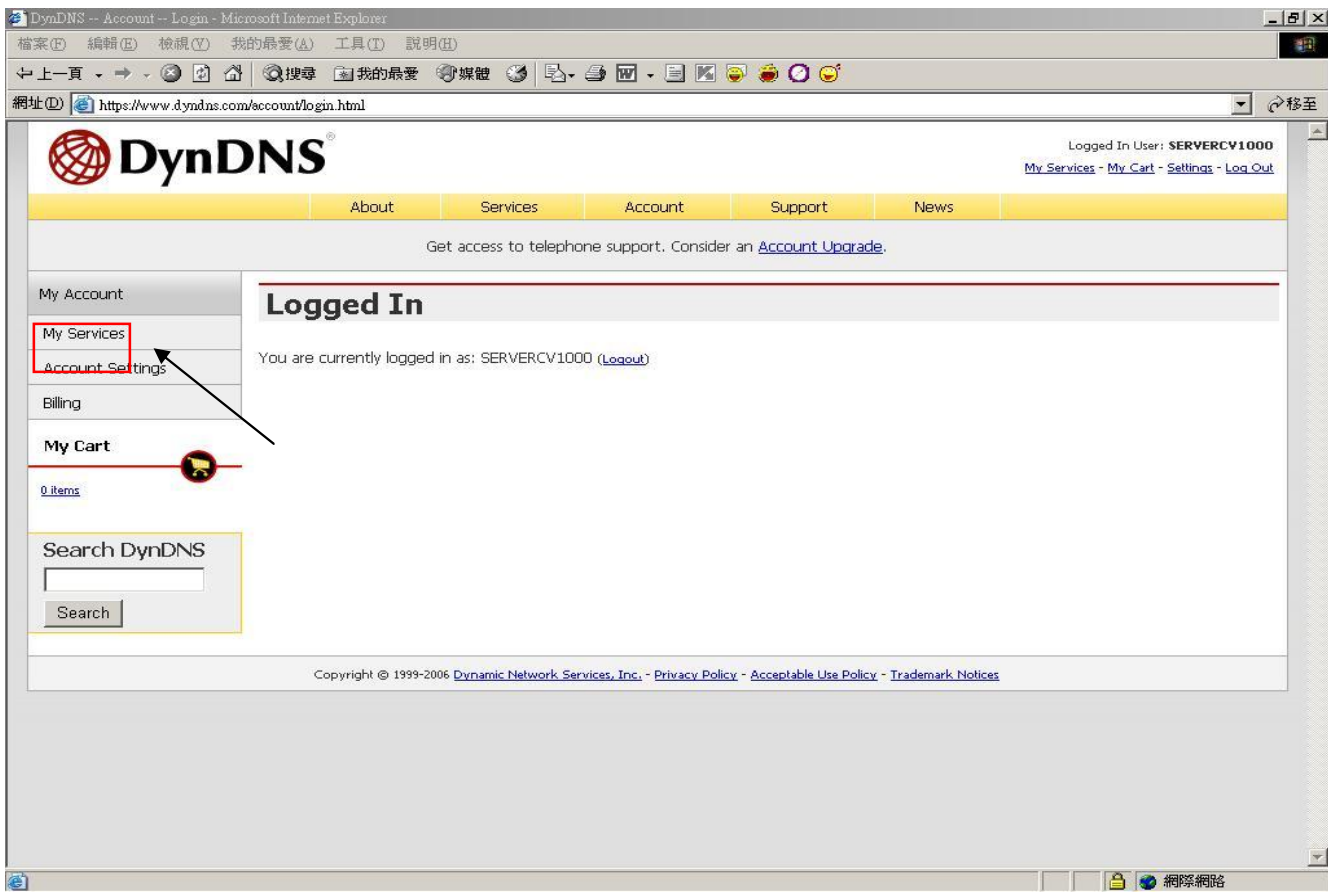
Click Create Account to make a new ID name.



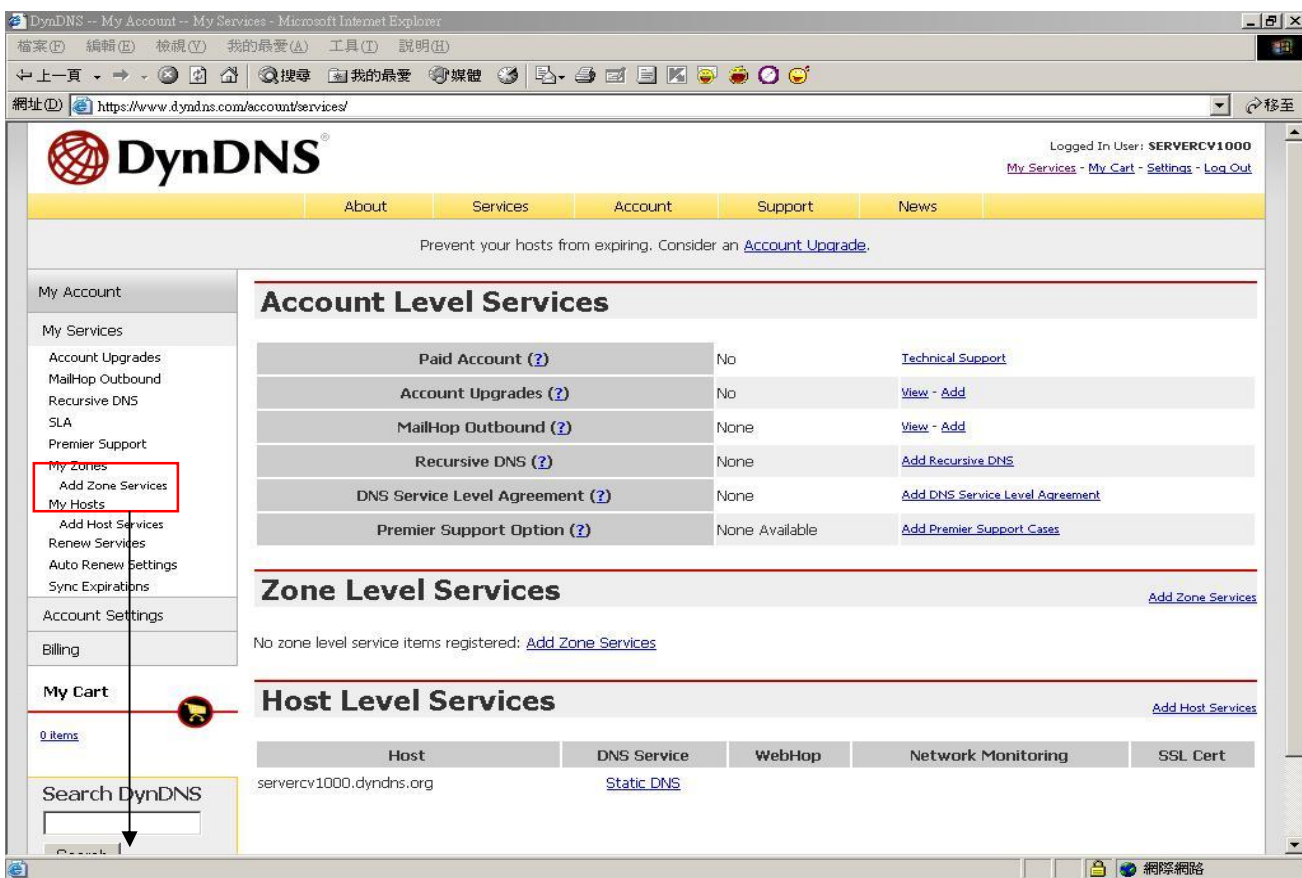
Fill in all the personal information, password, email requested; please go to user's email account to activate your new account. Return to DynDNS website; click Account to log in page.



Logged In page

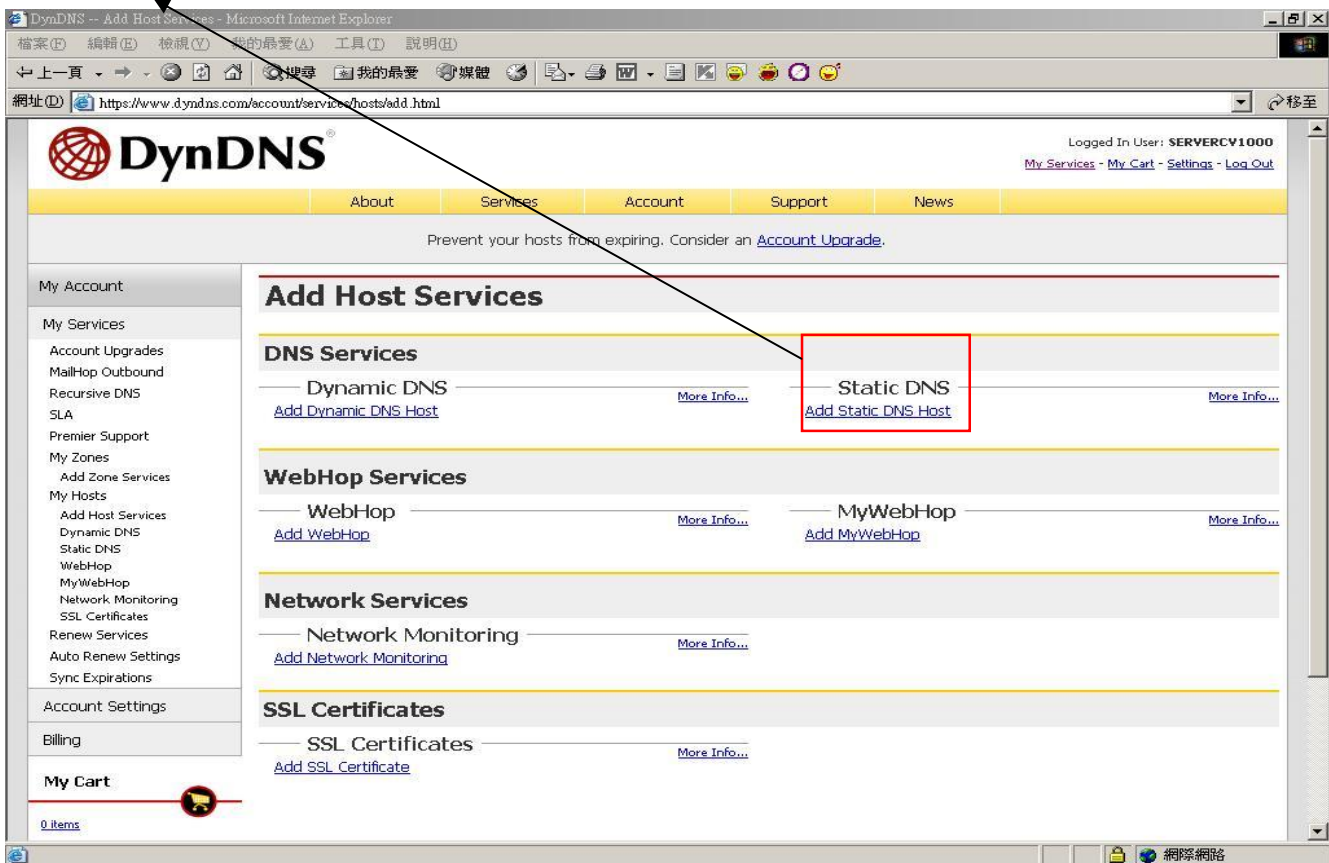


Click Add Host Services:

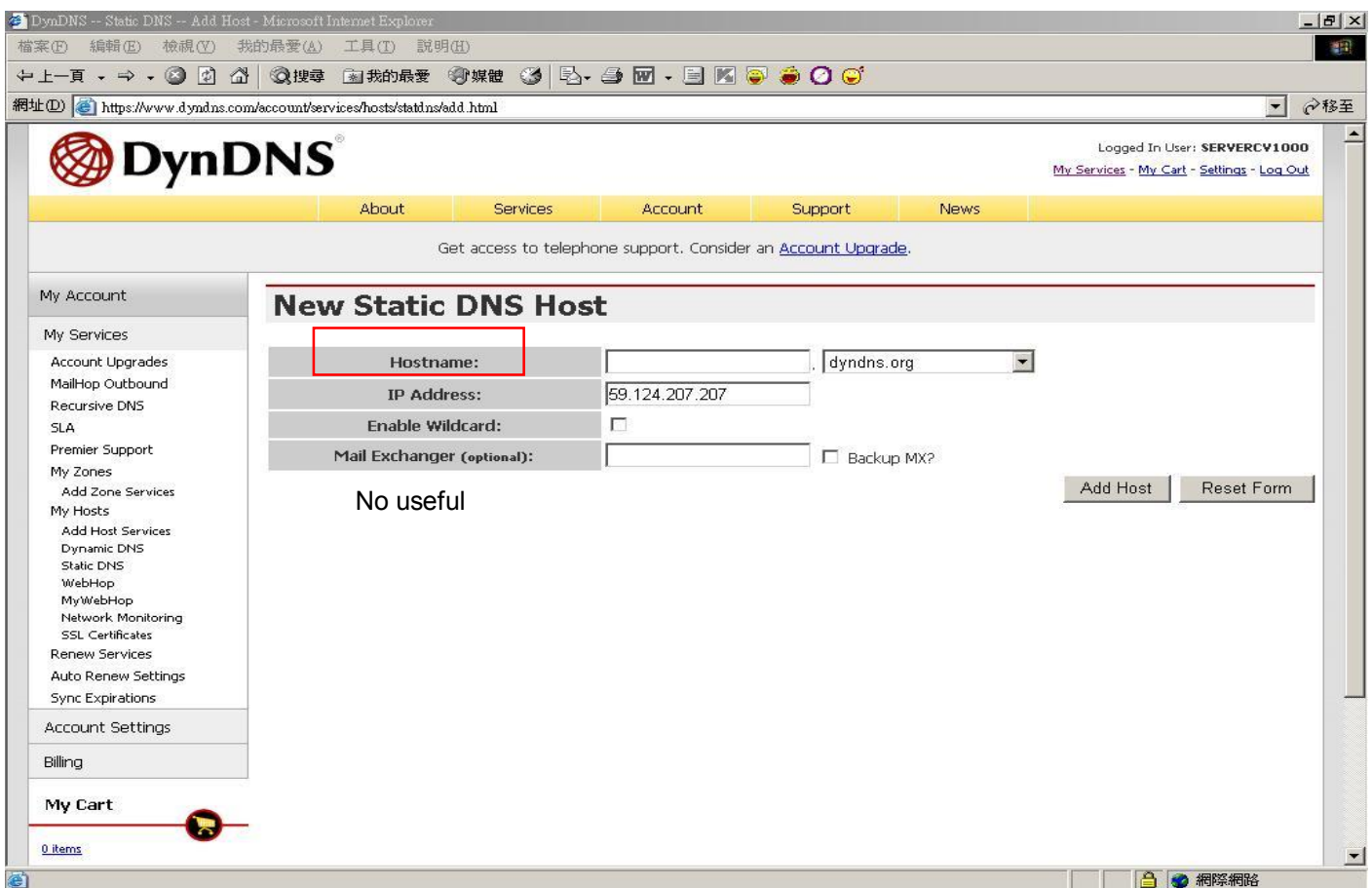


Add static DNS Host:

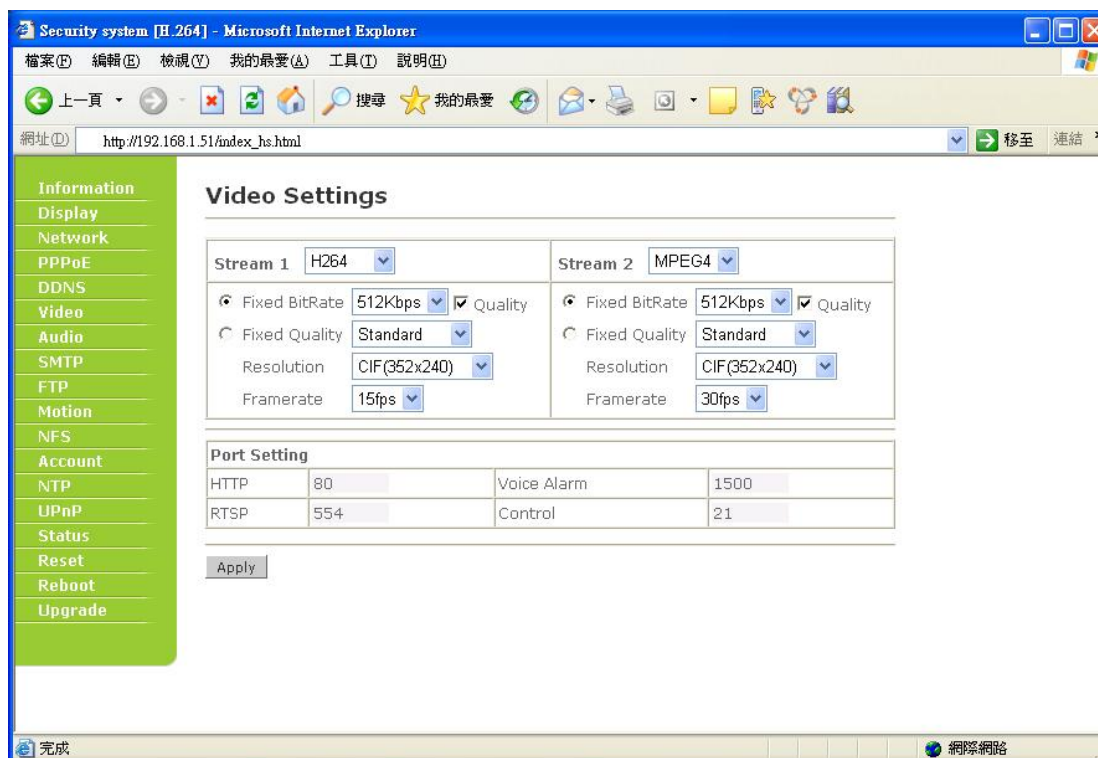
Select Static DNS: add Static DNS Host



Type a Hostname.



2.6 Video



Stream1 Settings

Stream 1	H264 / MPEG4 / MJPEG
Fixed BitRate	Image resolution is subjected to the transmit speed From 64 Kbps ~ 1M bps
Fixed Quality	Image resolution is subjected to quality So So / OK / Not Bad / Medium / Standard / Good / Pretty Good
Resolution	Video resolution selection NTSC : (QCIF:176x120 / CIF:352x240 / D1:720x480) PAL : (QCIF:176x144 / CIF:352x288 / D1:720x576)
Frame rate	Scanning frame per second among internet (from 5 to 30 fps)

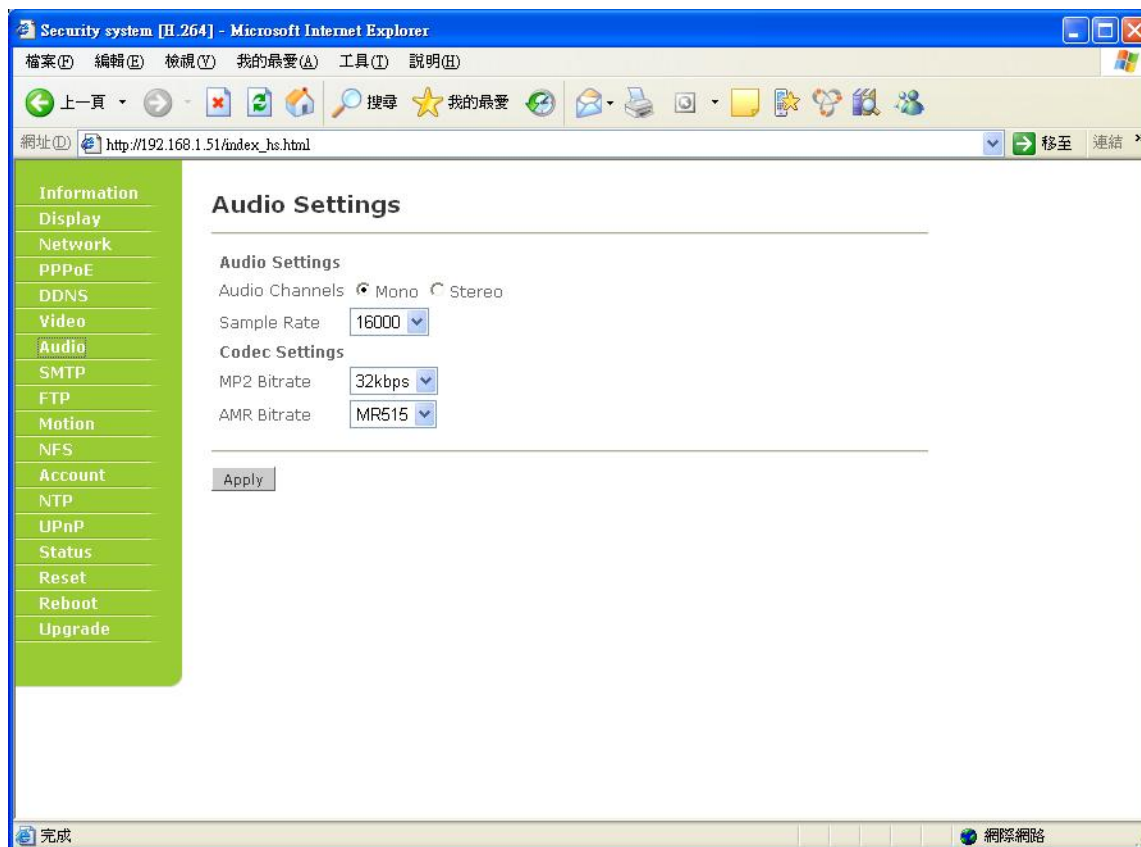
Stream2 Settings

Stream 2	Disable / H264 / MPEG4 / MJPEG
Fixed BitRate	Image resolution is subjected to the transmit speed From 64 Kbps ~ 1M bps
Fixed Quality	Image resolution is subjected to quality So So / OK / Not Bad / Medium / Standard / Good / Pretty Good
Resolution	Video resolution selection NTSC : (QCIF:176x120 / CIF:352x240 / D1:720x480) PAL : (QCIF:176x144 / CIF:352x288 / D1:720x576)
Frame rate	Scanning frame per second among internet (from 5 to 30 fps)

Port Setting

The network transport port.

2.7 Audio



Audio Settings

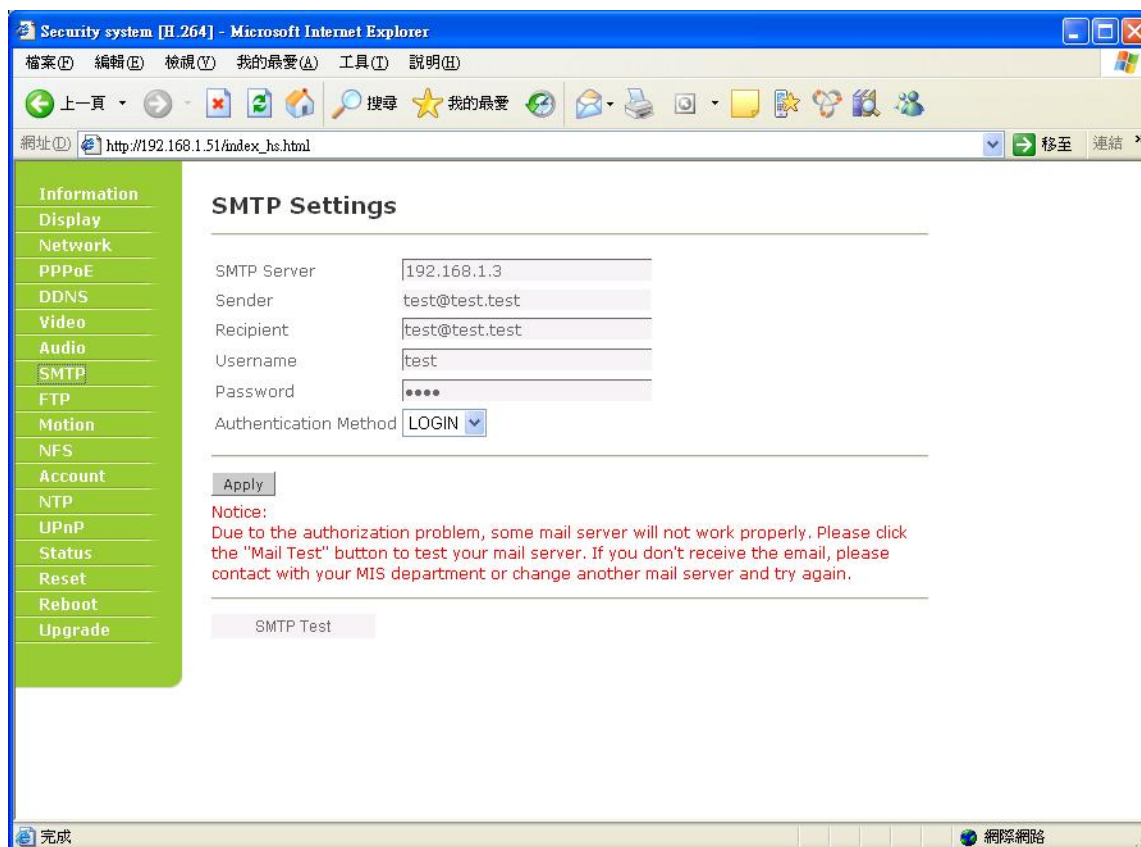
Audio Channel	Select Mono or Stereo sound
Sample Rate	16000 / 22050 / 32000 / 48000

Codec Settings:

MP2 Bitrate	32kbps (sound clarity low) 48kbps (sound clarity normal) 64kbps (sound clarity good)
AMR Bitrate	MR 59 / MR 67 / MR 74 / MR 102 / MR 122 / MR 475 / MR 515 / MR 795

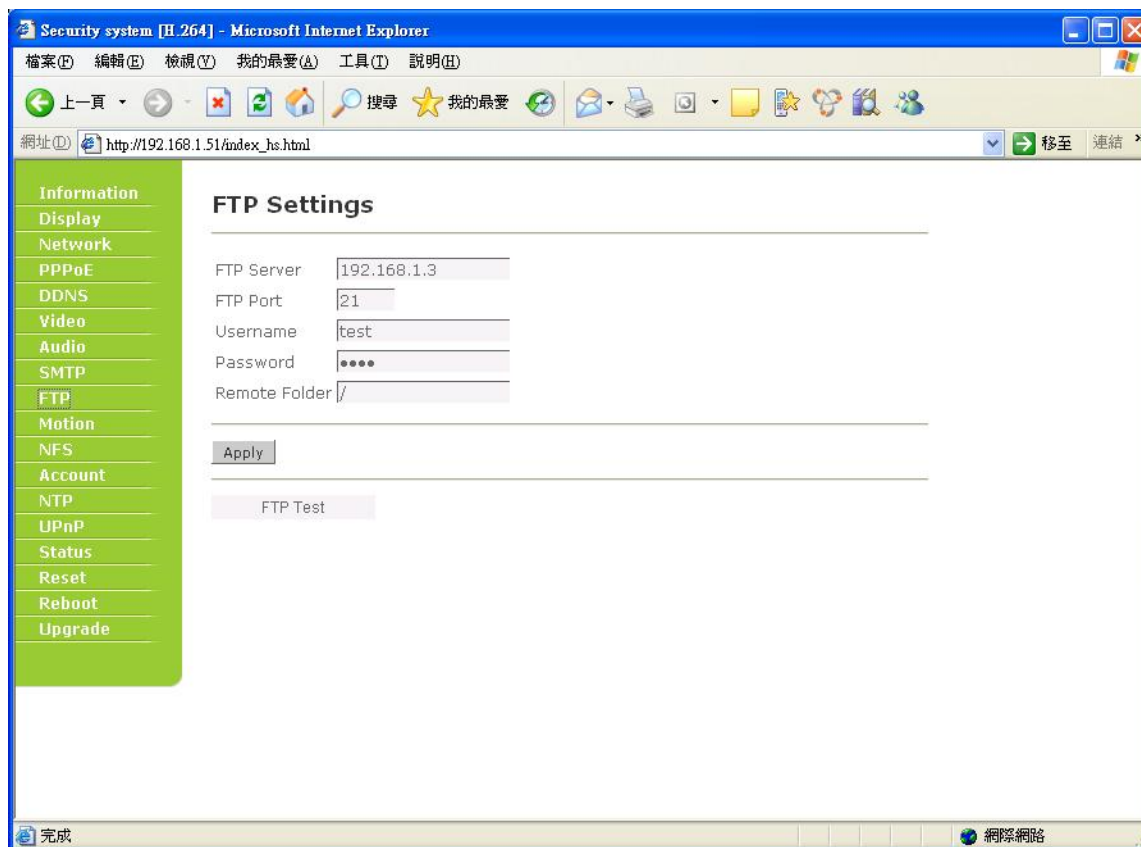
2.8 SMTP

Email account login name / password / address setup



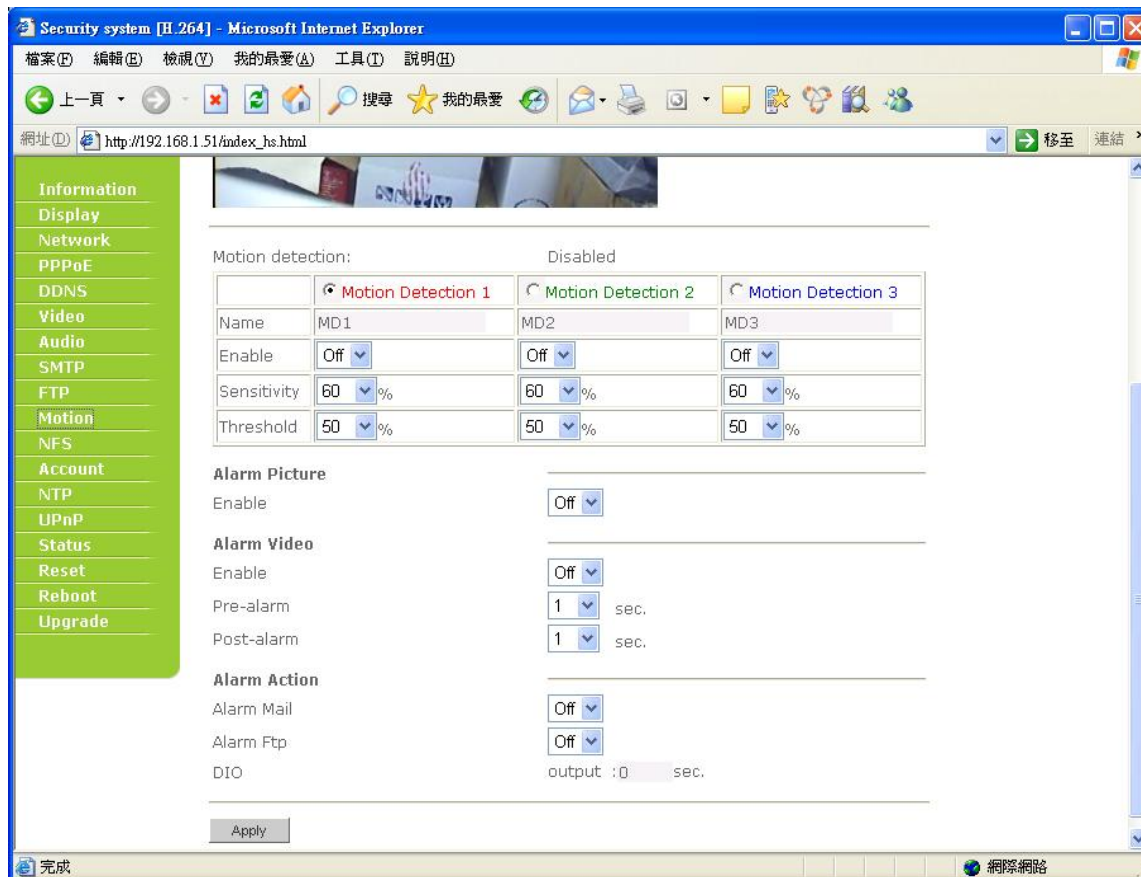
SMTP Server	Enter Mail server Some mail servers will stop the E-mail that the same source continuity. Please check the mail server policies restriction
Sender	Sender's email address Ex: test@test.test
Recipient	User's email address Ex: HS168@hotmail.com
Username	User's email login name
Password	User's email login password
Authentication Method	PLAIN / LOGIN
Apply	Confirm
SMTP Test	Mail sends and receive test

2.9 FTP



FTP Server	FTP server IP address
FTP Port	File transfer port setup
Username	FTP server, user login name
Password	FTP server, user login password
Remote Folder	File saved path. User needs to add a new path and folder
Apply	Click apply button after value change
FTP Test	File sending to FTP server test

2.10 MOTION

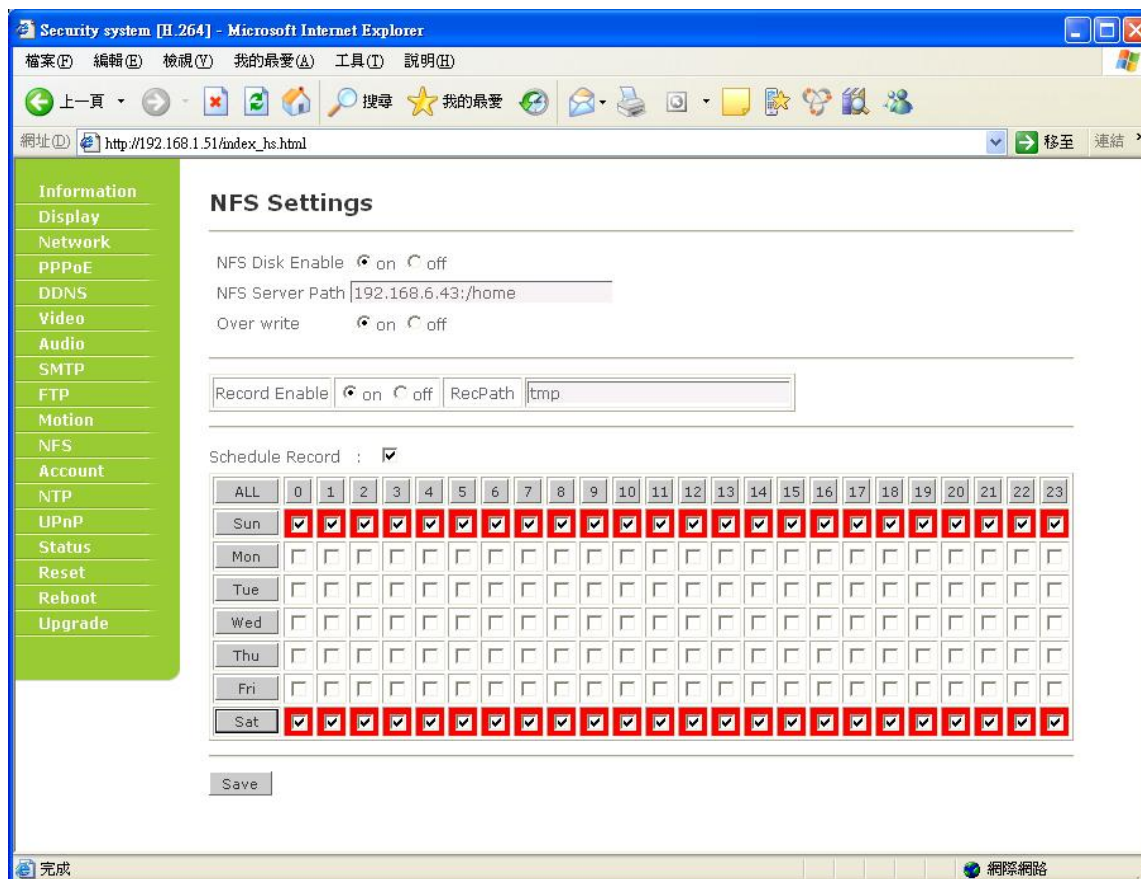


Motion Detection Settings

Motion Detection 1~3	Select motion detection window User can select 3 areas for motion detection
Name	Motion name
Enable	ON/OFF
Sensitivity	10% (low) ~ 100%(high)
Threshold	The smallest detectable sensation. 10% (easy to trigger) ~ 100% (hard to trigger)

Alarm Picture	Enable	ON/OFF, if set to ON , it will save picture on SD memory card.
Alarm Video	Enable	ON/OFF, if set to ON , it will save video image on SD memory card.
	Pre-Alarm	Set from 1 to 10 seconds , record video before motion trigger .
	Post-Alarm	Set from 1 to 10 seconds , record video after motion trigger .
Alarm Action	Alarm Mail	ON/OFF, if On is set, captured image or video clip will be sent to user's mail.
	Alarm FTP	ON/OFF, if On is set, captured image or video clip will be sent to user's FTP.
	DIO	GPIO output dwell time .

2.11 NFS



The IP CAM support scheduling record to the NFS server. User needs to setup the NFS server IP address and record path at first , enable the schedule record , it will record video image on the NFS server .

NFS Disk enable	ON / OFF, Enable or disable the NFS server
NFS Server Path	Setup the NFS server path
Over Write	When NFS hard disk space is full , the record data will over write oldest data
Record Enable	ON / OFF , If set to ON , It starts to record immediately .
Rec Path	Setup the NFS record file path
Schedule Record	Enable / Disable If enable , it will follow the schedule table to record video image
ALL	Enable or disable all the schedule record table
0 ~ 23	It means hours from 0 to 23 hour Enable or disable the hours of the schedule record table
Sun ~ Sat	It means days from Sunday to Saturday Enable or disable the days of the schedule record table
Save	Apply all the setting values

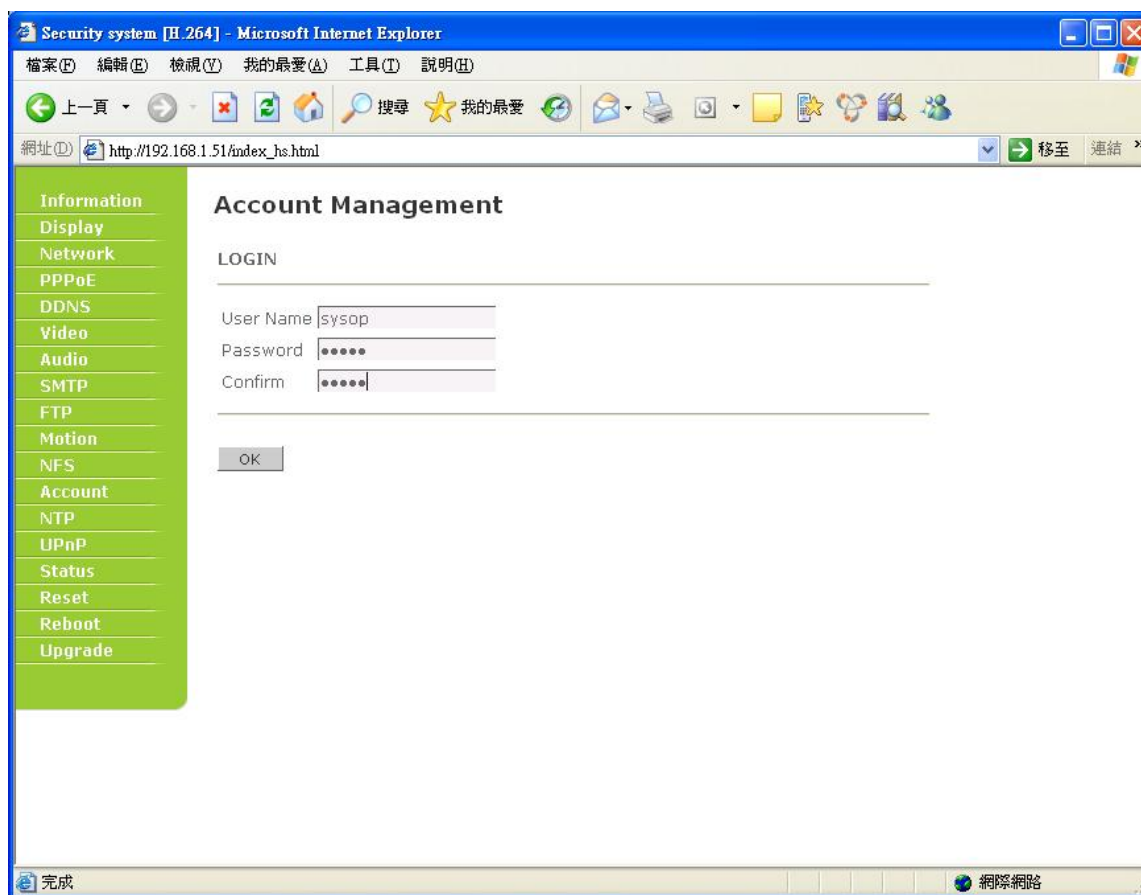
Notice :

1. Record on the NFS server , the video resolution will follow the stream 1 setting values.

Record on the NFS server , the duration of one file is set to 10 minutes, it means one hour record will be saved with 6 files .

2.12 Account

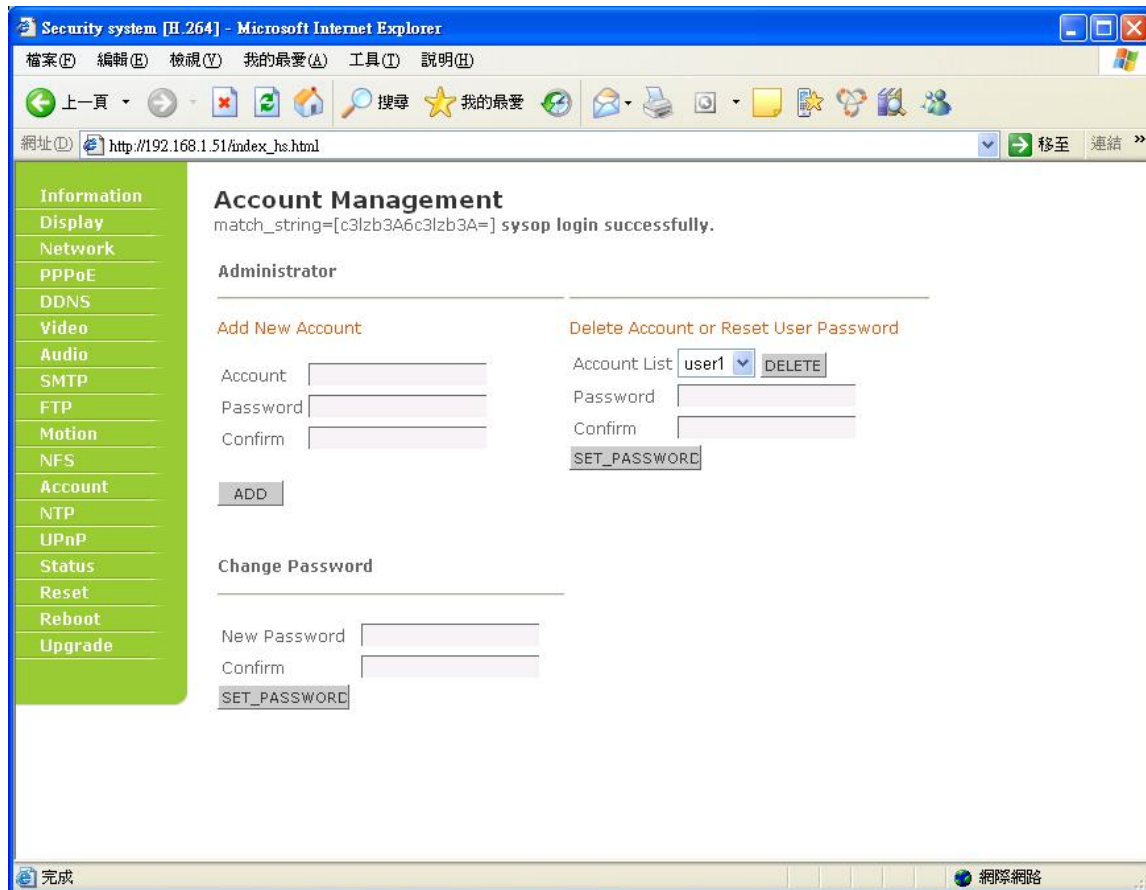
User name and password modify



User Name	User's login name. Default name is sysop
Password	User's login password. Default password is sysop
Confirm	Type the password again to confirm

After confirm, user can change login password or create new user account. See next page .

Account Management :



ADD New Account : Create a new user account

Account	New account
Password	New password
Confirm	New password
ADD	Confirm to add a new account

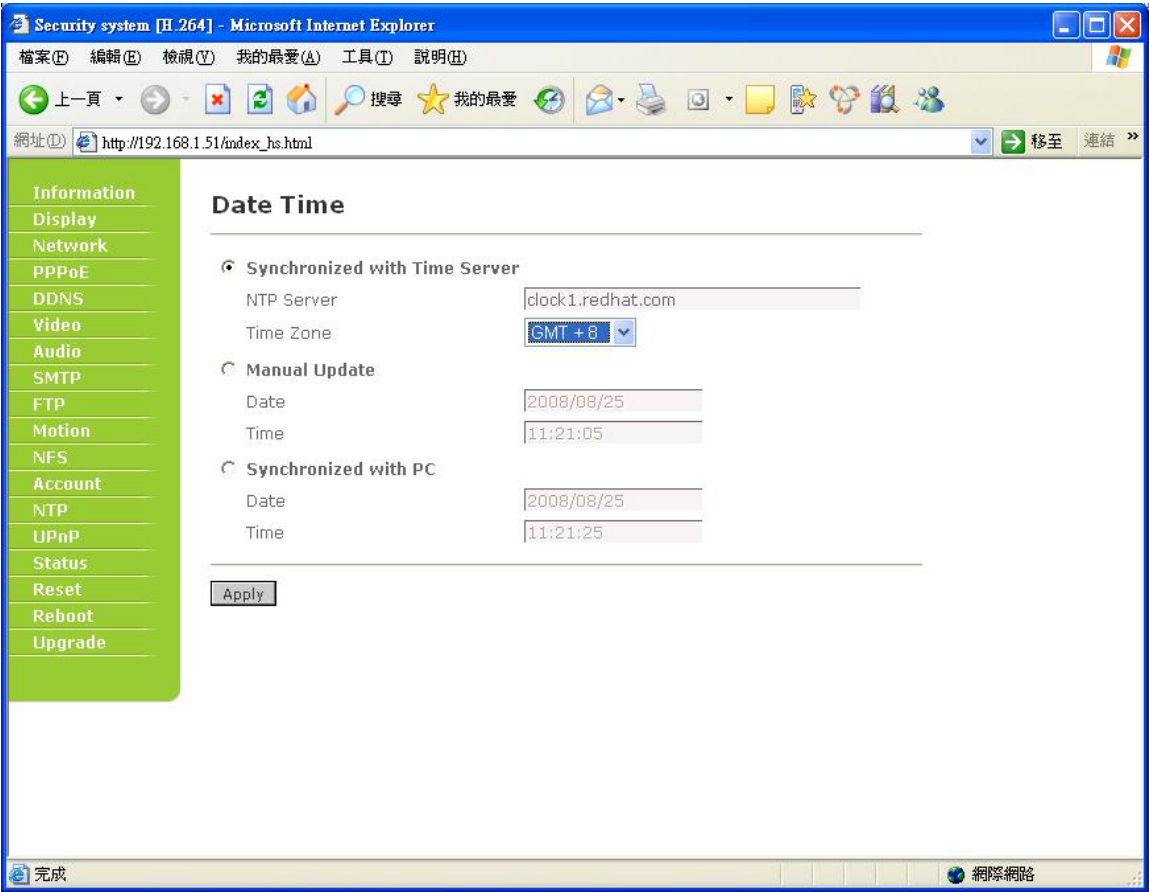
Delete Account or Reset User Password : Delete/Reset a user account

Account list	List all exist user account , user can select one account
Password	Modify account's password
Confirm	Type password again
DELETE	Delete a user account
SET PASSWORD	Confirm to change password

Change Password : Change the administrator's password

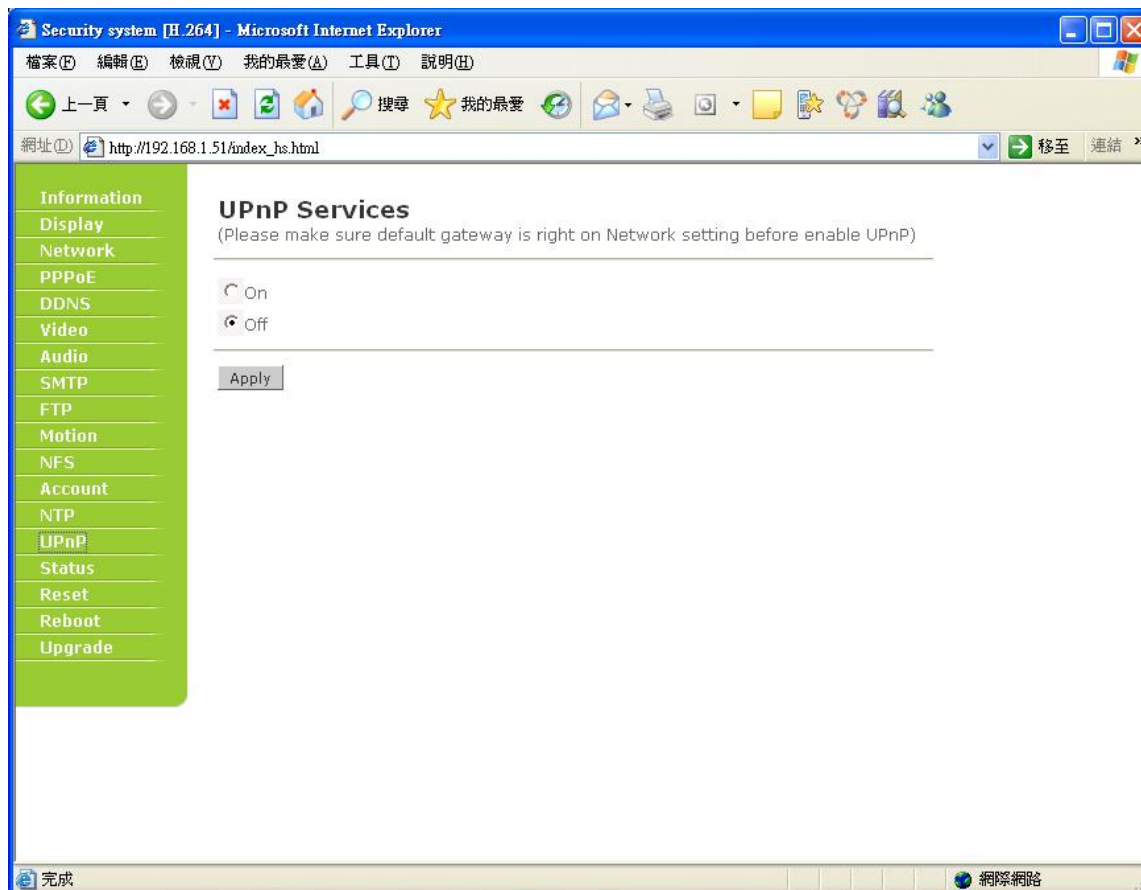
New Password	Type new password
Confirm	New password confirm
SET PASSWORD	Confirm to change password

2.13 NTP



Synchronized with Time Server	Synchronized with Network Time Server.
NTP Server	clock1.redhat.com (Default). time.nist.gov (Windows XP time zone reference) time.windows.com (Windows XP reference time zone)
Time Zone	Setup Time Zone
Manual Update	User setup by manual
Date	User select date by manual
Time	User select time by manual
Synchronized with PC	Synchronized with computer
Date	Synchronized with computer date
Time	Synchronized with computer time

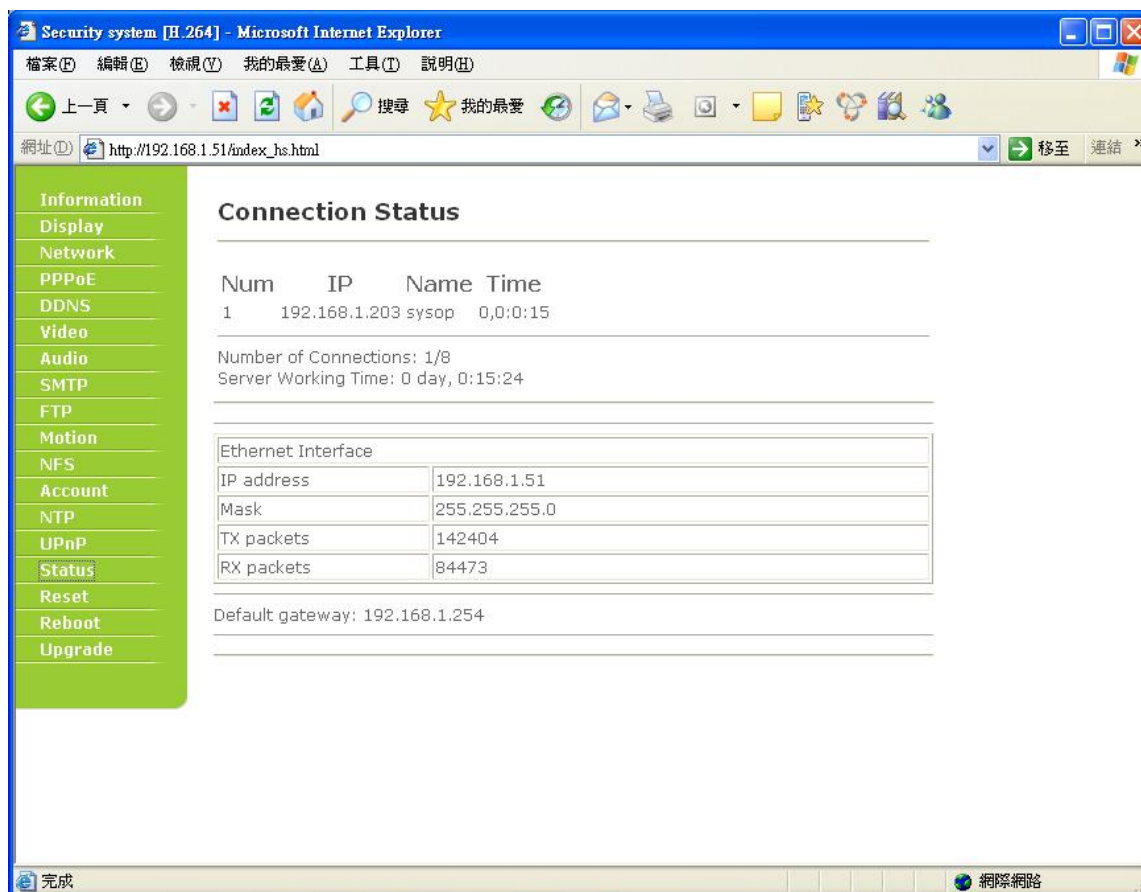
2.14 UPnP



When the UPnP Services is set to “ON”, it would be more easy for the IP camera stream to pass through router or IP sharing if there is a gateway at a local network system.

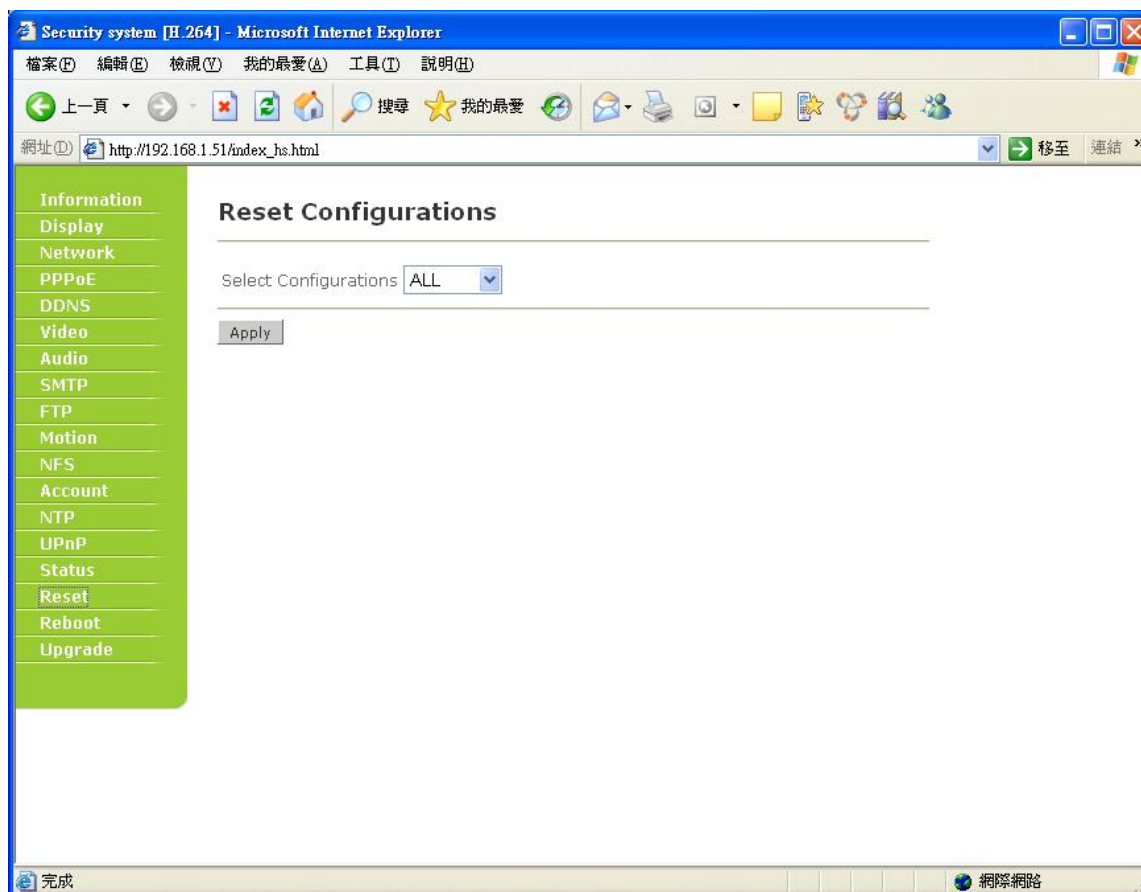
Router and IP sharing must have UPnP service.

2.15 Status



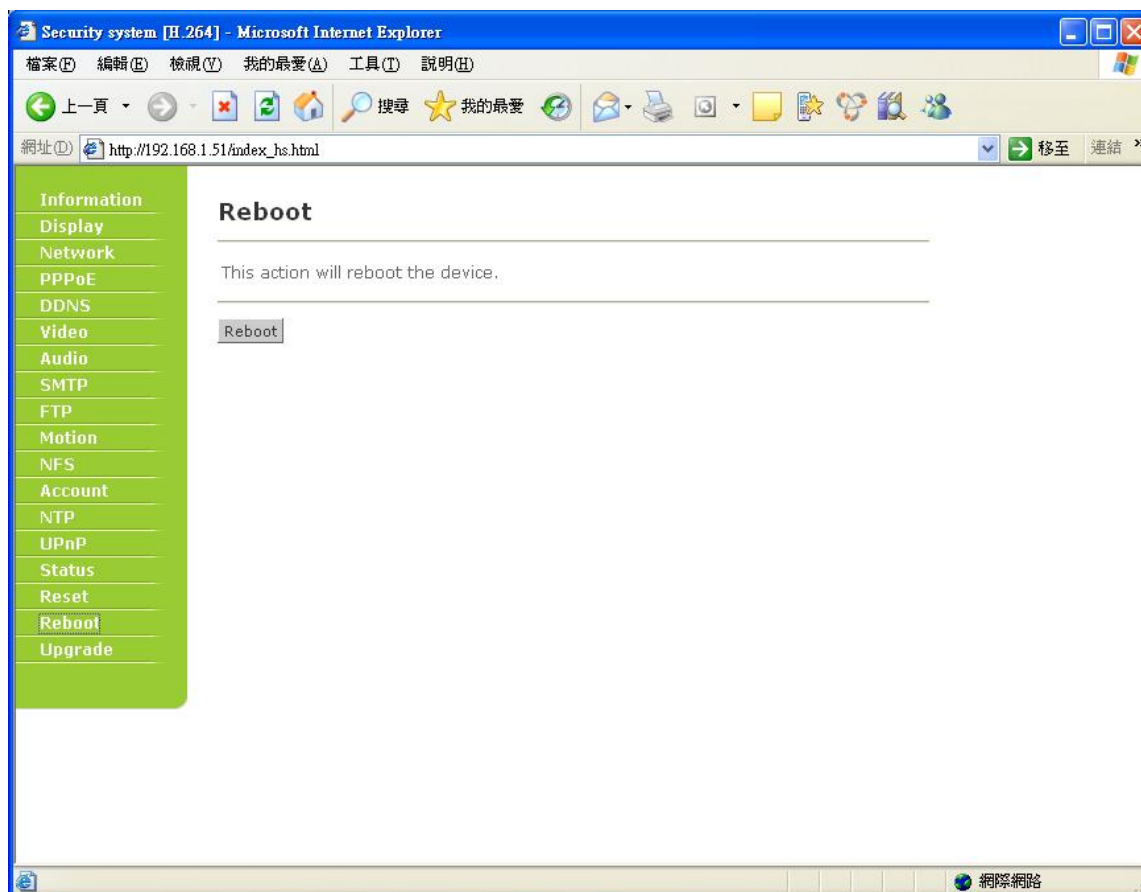
Display the connection status and network information of the IP Camera.

2.16 Reset



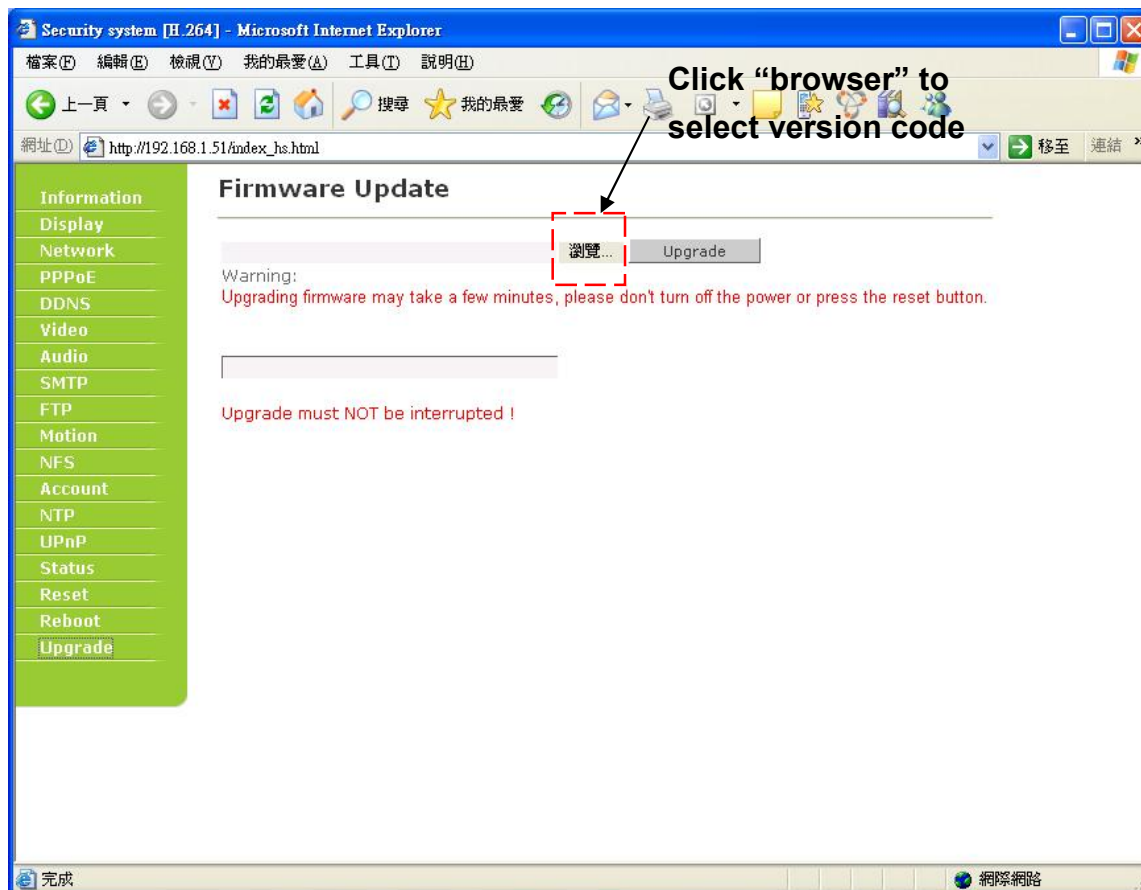
Reset all function settings to default or reset by each one.

2.17 Reboot



Re-boot the IP camera .

2.18 Upgrade



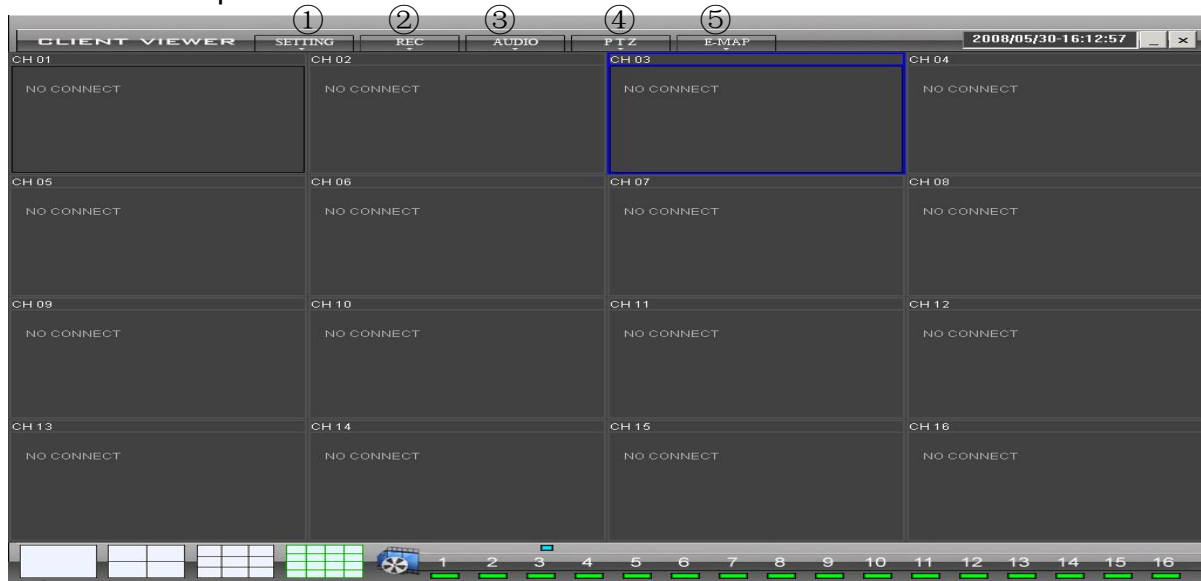
Select in-coming source and then click upgrade start updating.

Upgrading process bar.

1. Please go to reset page and then reset to default after version update.
2. Please do not upgrade firmware when your network is busy .

3. Security system viewer Function Setup

Functions setup:



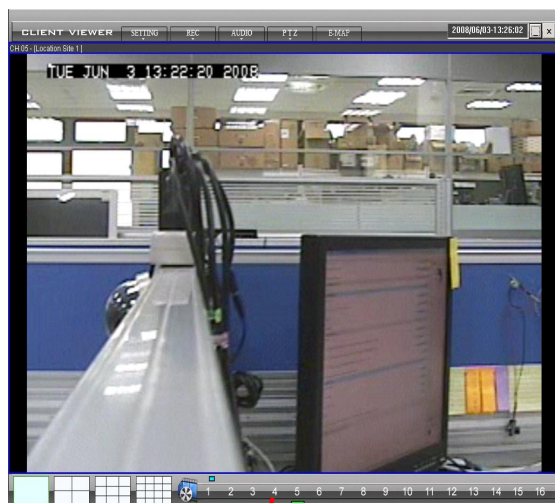
⑥ 1 / 4 / 9 / 16 Display

⑦ 1 ~ 16 Channels

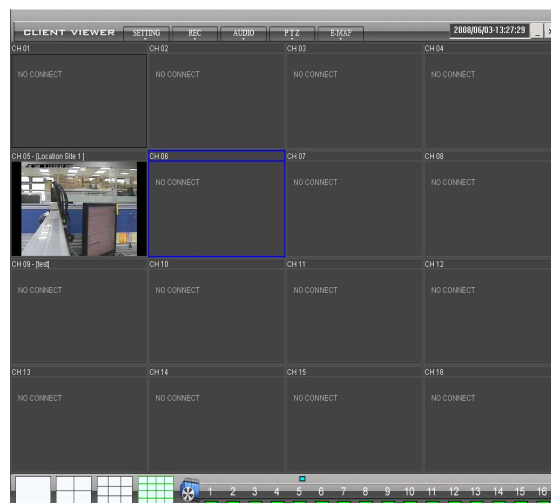
① SETTING	IP Camera connection setup
② REC	Video stream record (Single camera recording)
③ AUDIO	Two ways conversation mode on or off
④ PTZ	PTZ control mode
⑤ E-Map	Run E-Map function
⑥ Screen display	Full screen / 4 / 9 / 16 Split screen
⑦ Full screen	Camera 1 ~ 16 select for full screen display

3.1 Screen Display

Full screen



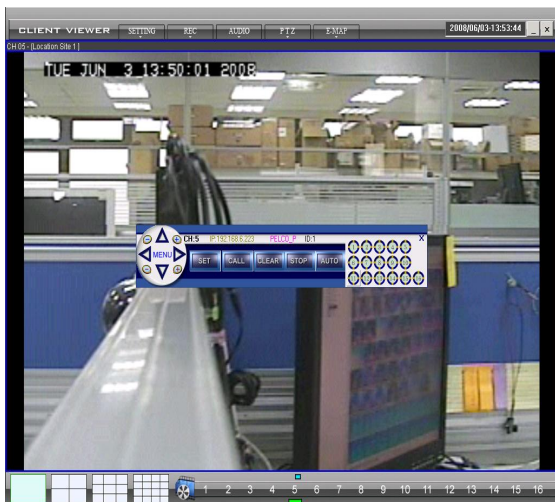
Split screen



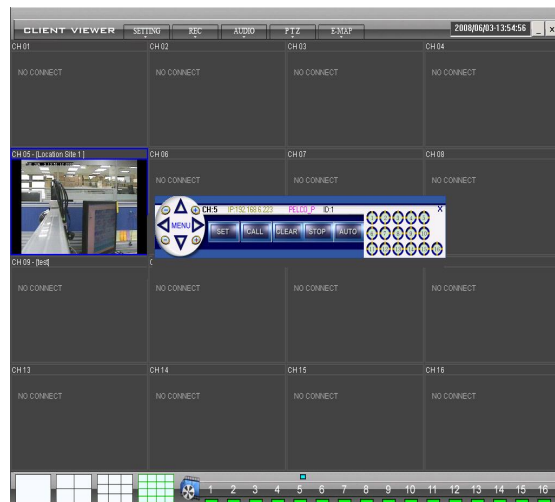
Click left button of mouse to select 1 ~ 16 for full screen display.

3.2 PTZ Control

Full screen



Split screen



PTZ IRIS Close

PTZ direction up / down / left / right

PTZ OSD

PTZ IRIS Open

Channel number depends on desired camera 1 ~ 4

Function exit

Presets group
Total 16 presets



Set preset

Call preset

Clear preset

Auto preset tour starts

Stop auto preset tour

Zoom in / out

Notice:

PTZ dome ID depends on different protocol. Please choose correct ID and protocol.

Pelco P: 0 ~ 254

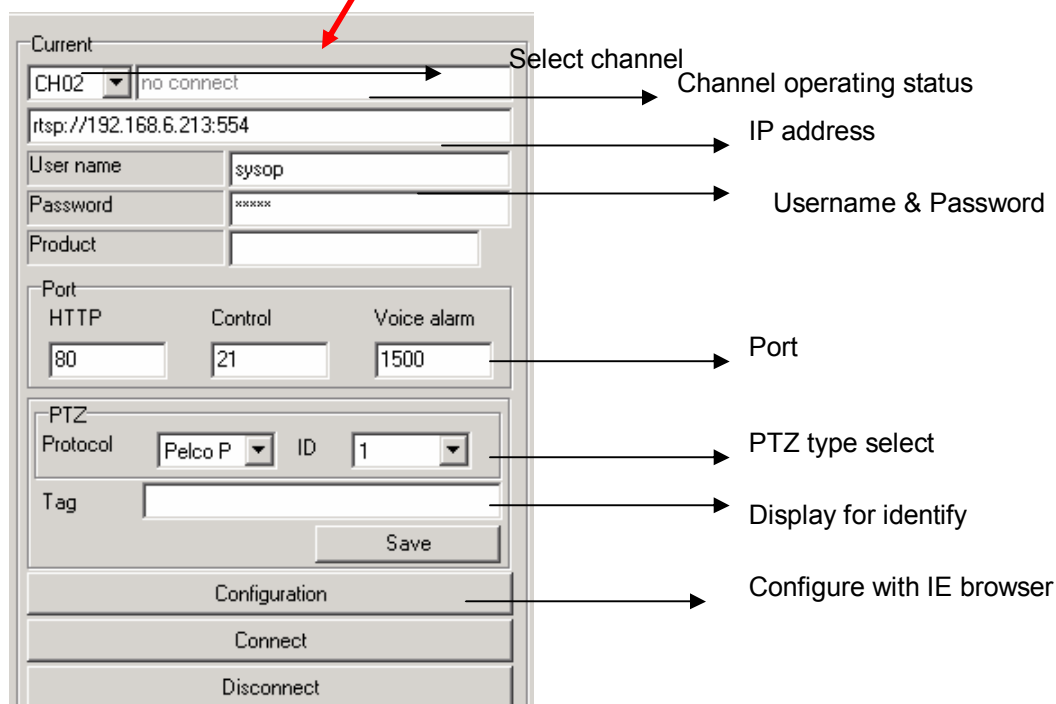
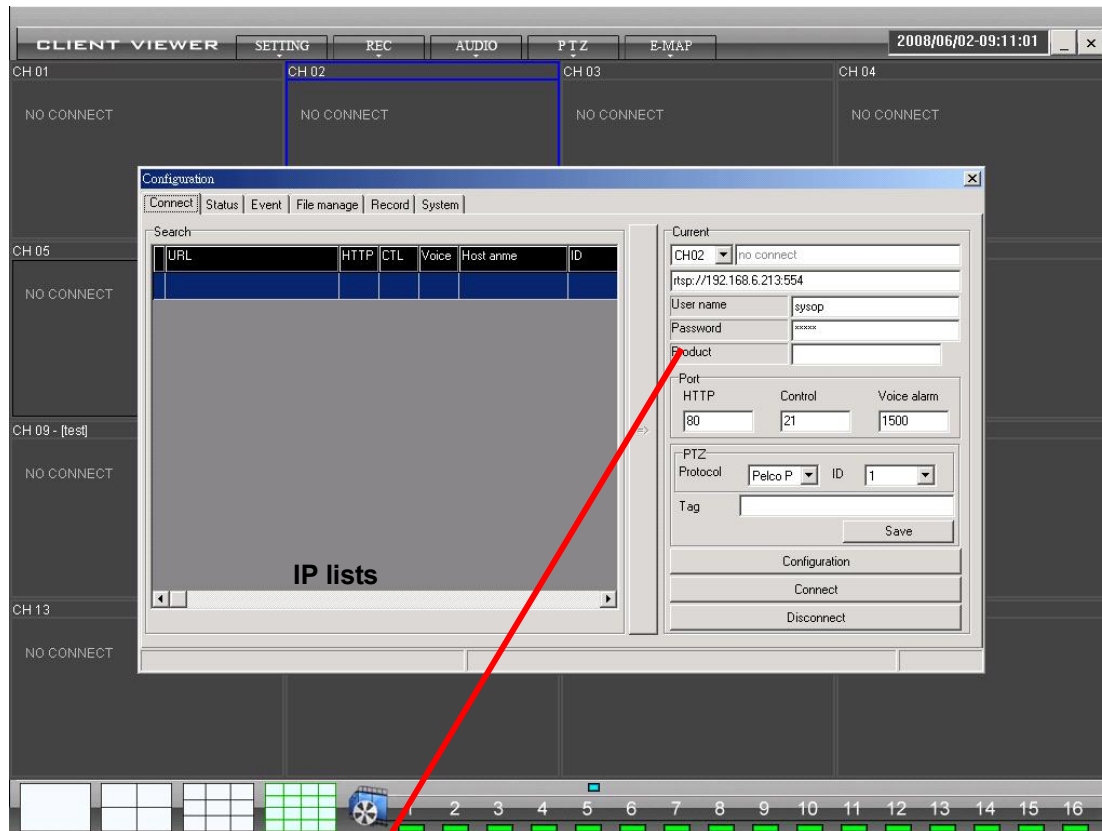
Pelco D: 1 ~ 255

3.3 Connection

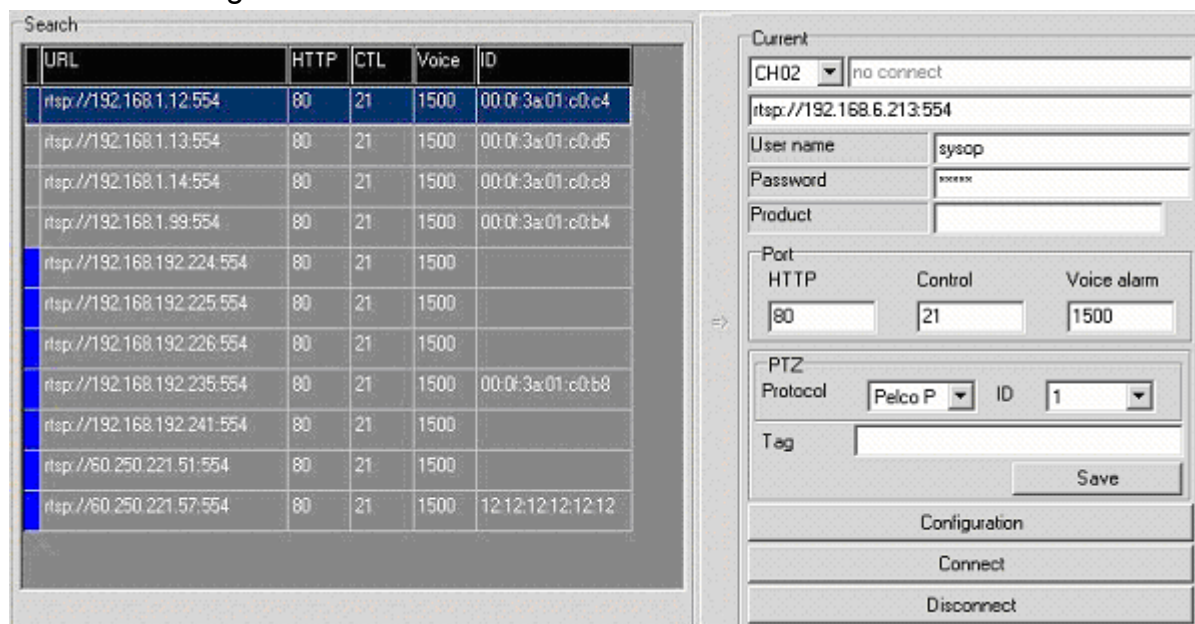
On selected camera channel, click left button of mouse to set focus, and then click right button of mouse and select “Connect” to input IP address.

User can input the IP address by himself or type the default IP address

Default IP address **rtsp://192.168.1.51:554** ; username: **sysop**; password: **sysop**



IP Camera will be automatically discovered and shown on the left side, if they are in the same subnet under IP sharing device.



URL	HTTP	CTL	Voice	ID
rtsp://192.168.1.12:554	80	21	1500	00:0f:3a:01:c0:c4
rtsp://192.168.1.13:554	80	21	1500	00:0f:3a:01:c0:d5
rtsp://192.168.1.14:554	80	21	1500	00:0f:3a:01:c0:c8
rtsp://192.168.1.99:554	80	21	1500	00:0f:3a:01:c0:b4
rtsp://192.168.192.224:554	80	21	1500	
rtsp://192.168.192.225:554	80	21	1500	
rtsp://192.168.192.226:554	80	21	1500	
rtsp://192.168.192.235:554	80	21	1500	00:0f:3a:01:c0:b8
rtsp://192.168.192.241:554	80	21	1500	
rtsp://60.250.221.51:554	80	21	1500	
rtsp://60.250.221.57:554	80	21	1500	12:12:12:12:12:12

Current: CH02 no connect

rtsp://192.168.6.213:554

User name: sysop

Password: xxxxxx

Product:

Port: HTTP 80 Control 21 Voice alarm 1500

PTZ: Protocol Pelco P ID 1

Tag:

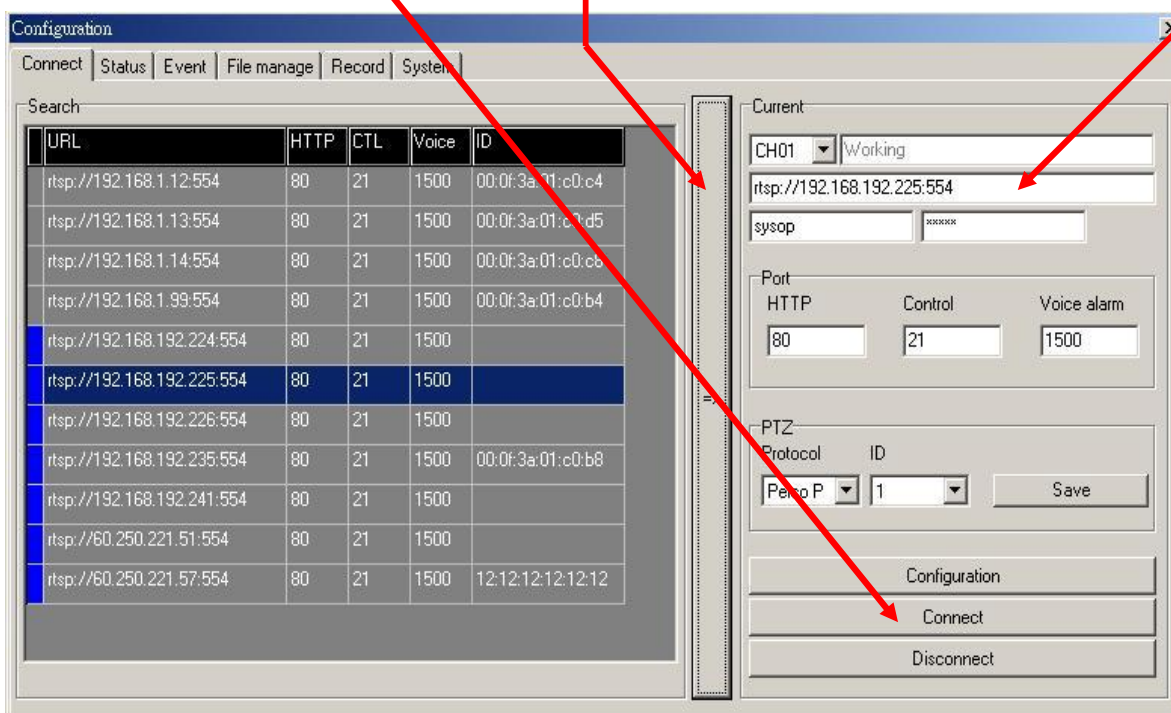
Save

Configuration

Connect

Disconnect

Select an IP Camera then press this button(=>), it will automatically fill up the connection data in the right side, then press “connect” button to connect.



Configuration

Connect Status Event File manage Record System

URL	HTTP	CTL	Voice	ID
rtsp://192.168.1.12:554	80	21	1500	00:0f:3a:01:c0:c4
rtsp://192.168.1.13:554	80	21	1500	00:0f:3a:01:c0:d5
rtsp://192.168.1.14:554	80	21	1500	00:0f:3a:01:c0:c8
rtsp://192.168.1.99:554	80	21	1500	00:0f:3a:01:c0:b4
rtsp://192.168.192.224:554	80	21	1500	
rtsp://192.168.192.225:554	80	21	1500	
rtsp://192.168.192.226:554	80	21	1500	
rtsp://192.168.192.235:554	80	21	1500	00:0f:3a:01:c0:b8
rtsp://192.168.192.241:554	80	21	1500	
rtsp://60.250.221.51:554	80	21	1500	
rtsp://60.250.221.57:554	80	21	1500	12:12:12:12:12:12

Current: CH01 Working

rtsp://192.168.192.225:554

sysop xxxxxx

Port: HTTP 80 Control 21 Voice alarm 1500

PTZ: Protocol Pelco P ID 1

Save

Configuration

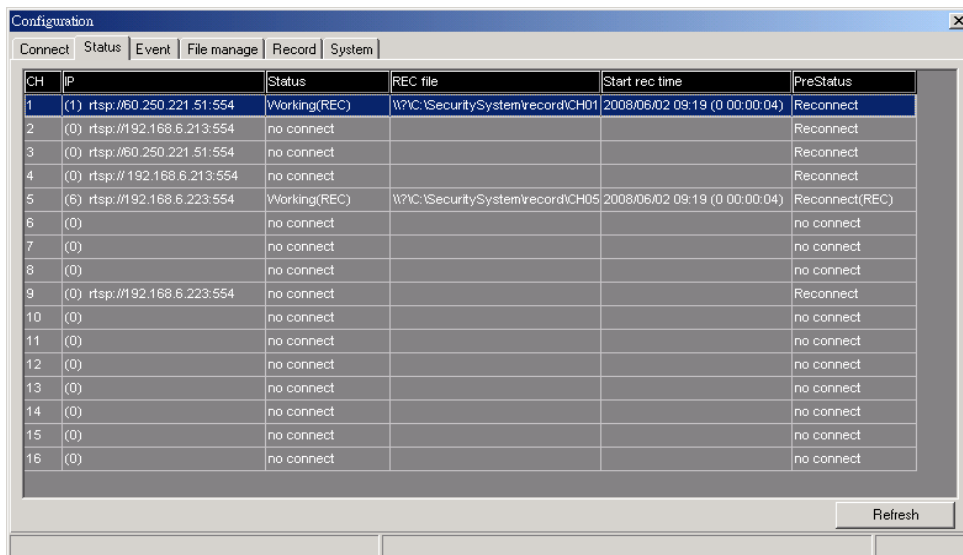
Connect

Disconnect

3.3.1 Connection Status

Connection status display as below:

CH	Display channel 1 ~ channel 16 status
IP	Display remote IP Camera IP address
Status	Connection status , Working / No connect
REC file	The record file save on local pc path and filename
Start rec time	Start record time
PreStatus	Last time operation



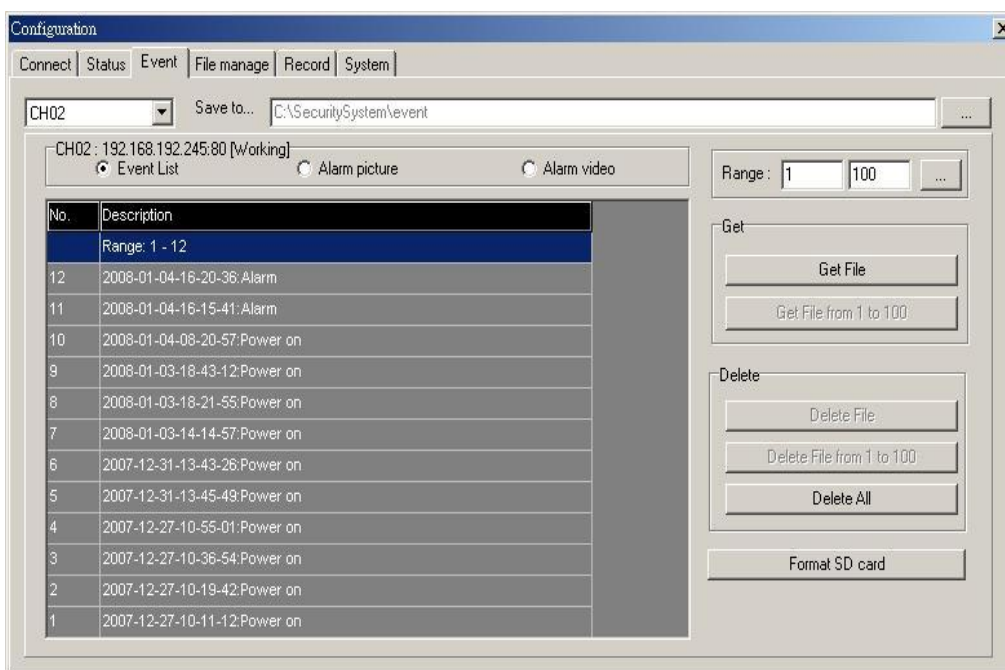
CH	IP	Status	REC file	Start rec time	PreStatus
1	(1) rtsp://60.250.221.51:554	Working(REC)	W?C:\SecuritySystem\record\CH01	2008/06/02 09:19 (0 00:00:04)	Reconnect
2	(0) rtsp://192.168.6.213:554	no connect			Reconnect
3	(0) rtsp://60.250.221.51:554	no connect			Reconnect
4	(0) rtsp://192.168.6.213:554	no connect			Reconnect
5	(6) rtsp://192.168.6.223:554	Working(REC)	W?C:\SecuritySystem\record\CH05	2008/06/02 09:19 (0 00:00:04)	Reconnect(REC)
6	(0)	no connect			no connect
7	(0)	no connect			no connect
8	(0)	no connect			no connect
9	(0) rtsp://192.168.6.223:554	no connect			Reconnect
10	(0)	no connect			no connect
11	(0)	no connect			no connect
12	(0)	no connect			no connect
13	(0)	no connect			no connect
14	(0)	no connect			no connect
15	(0)	no connect			no connect
16	(0)	no connect			no connect

3.3.2 Event List

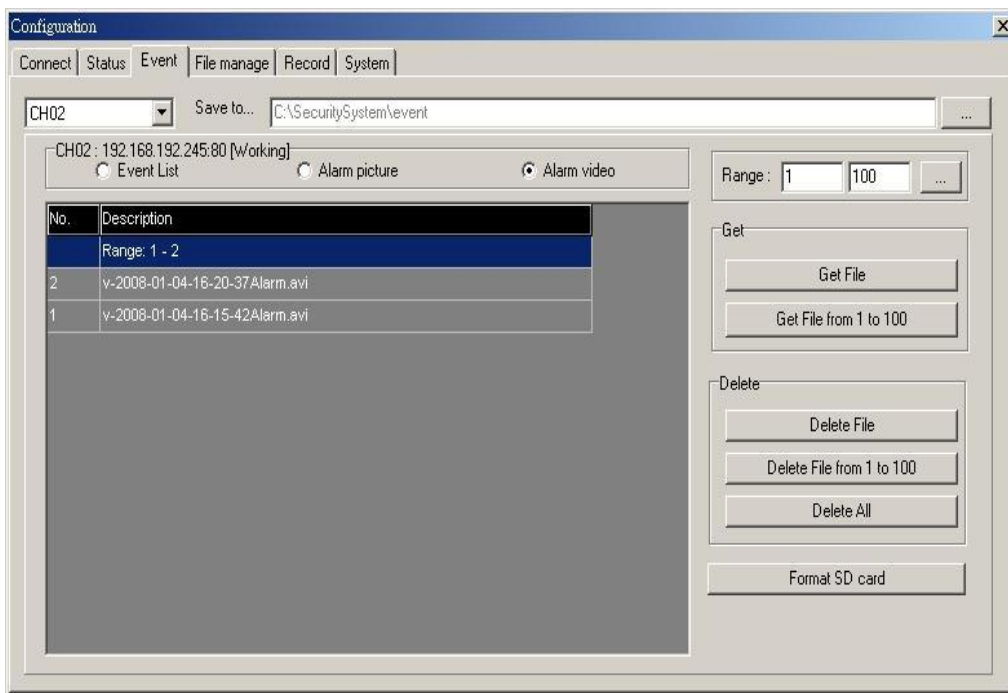
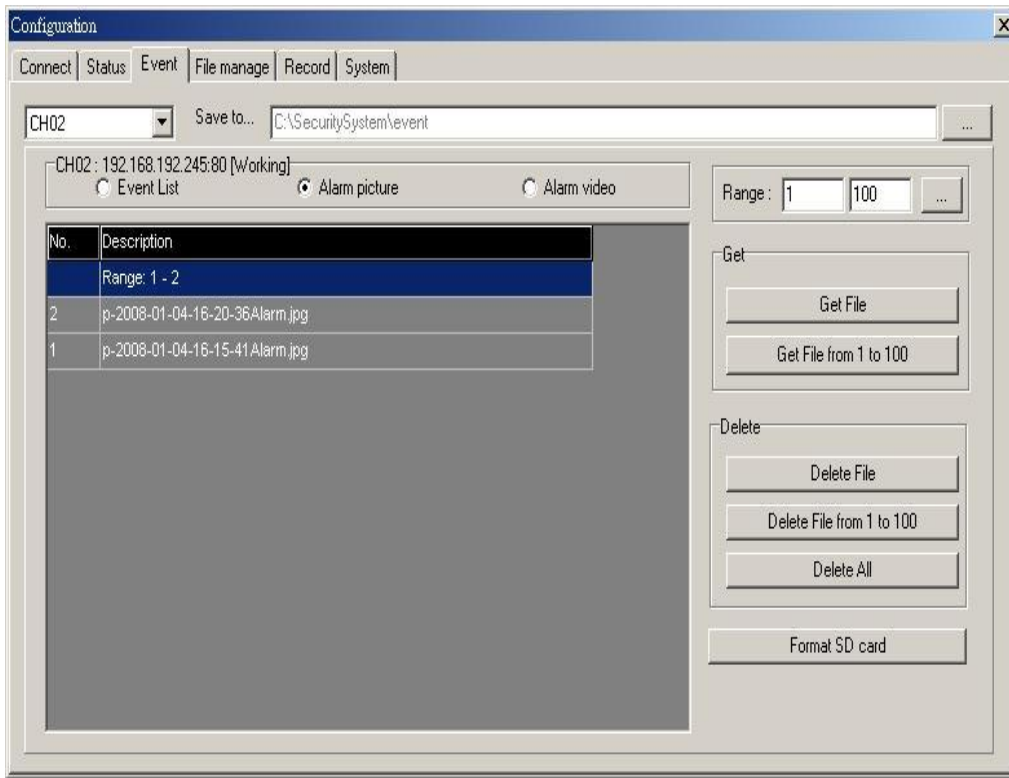
User have to insert SD card before power on this IP Camera, any event will be recorded on SD memory card.

SD card recommends 2GB.

User can view event by different event type: Event list, Alarm picture, Alarm video.



No.	Description
Range: 1 - 12	
12	2008-01-04-16-20-36: Alarm
11	2008-01-04-16-15-41: Alarm
10	2008-01-04-08-20-57: Power on
9	2008-01-03-18-43-12: Power on
8	2008-01-03-18-21-55: Power on
7	2008-01-03-14-14-57: Power on
6	2007-12-31-13-43-26: Power on
5	2007-12-31-13-45-49: Power on
4	2007-12-27-10-55-01: Power on
3	2007-12-27-10-36-54: Power on
2	2007-12-27-10-19-42: Power on
1	2007-12-27-10-11-12: Power on



User can backup any event to local pc just setup the event range and select the directory that you want to save the event record then press “Get File” button , it will backup the event to your local pc .

Also user can delete event from the SD card or Format SD card.

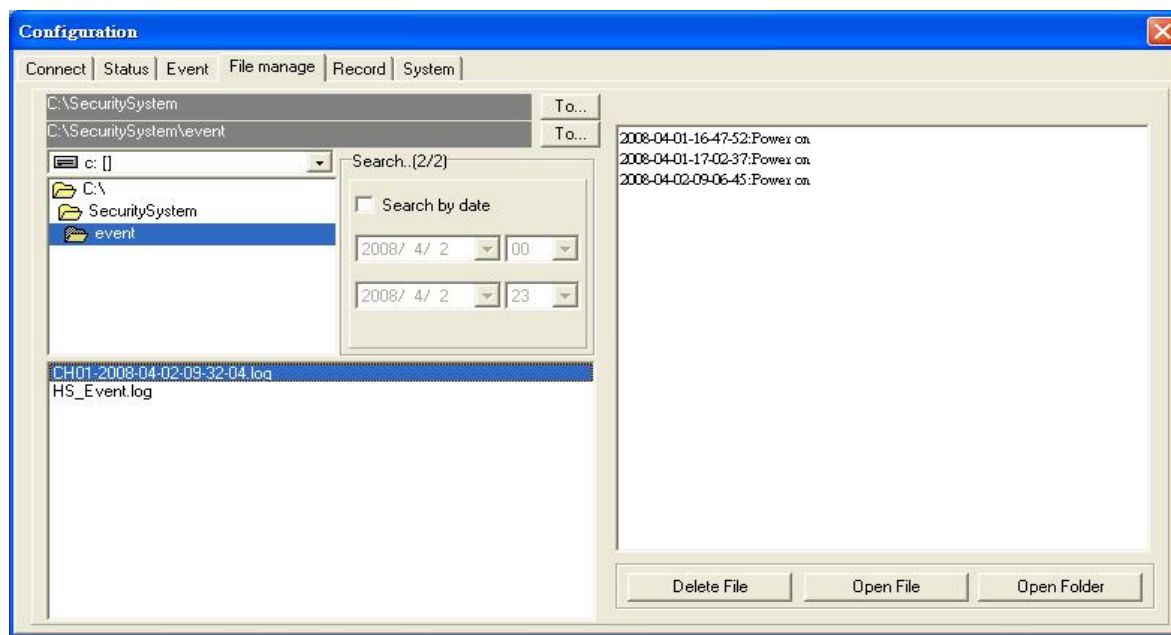
NOTICE:

1. Format SD card will delete all data on SD memory card.
2. Please format SD card by "Format SD card" button at first time.

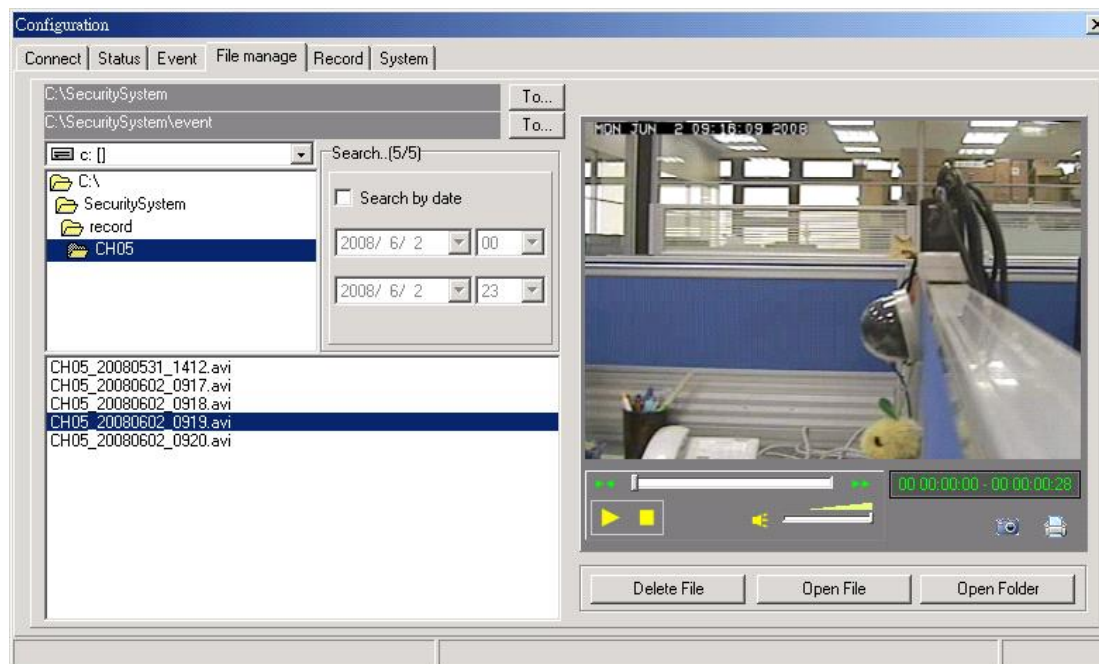
3.3.3 File Manage

User can use this function to manage events, records and snapshots.

It displays the event list at the right side that you have downloaded from SD card.



User can select the recorded video to play, video data of each channel are stored in the corresponding directory.



3.3.4 Record

This function is used to setup the schedule record. User can setup schedule record for different channel or choose “For All “ to set all channels to the same setting. Detail as below:

Path	The schedule record will save video data on local pc , user can select the local pc file path to saved
Available space	Display the local pc hard disk available space
Total space	Display the local pc hard disk total space
reserved space	If setup 200 MB, it means when Hard Disk available space only 200 MB, system will check the overwrite status to stop record or overwrite Hard Disk.
Over write	When local pc Hard Disk space full , the record data will over write oldest data
Record	The record data save on local pc file path
Snapshot	The snapshot save on local pc file path
Enable schedule record	User have to enable this then the schedule can work normally

NOTICE :

Schedule record, duration of each file is 10 minutes and saves at default path.

For example: one hour record will be saved 6 files and each file with 10 minutes.

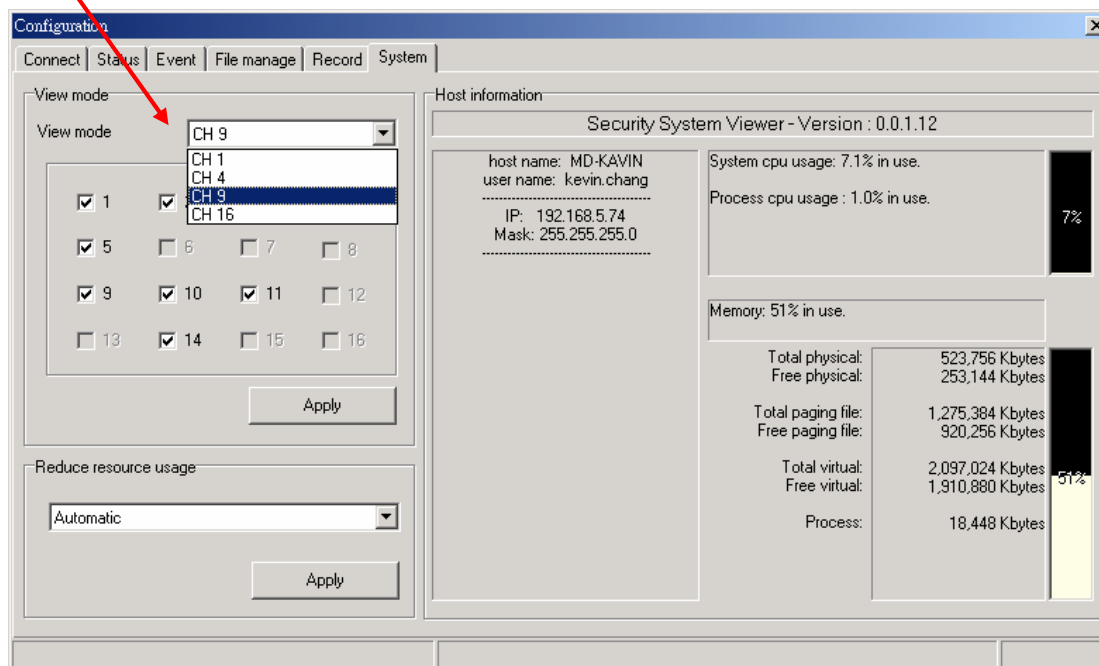
The screenshot shows the 'Configuration' window with the 'Record' tab selected. The 'Schedule Rec.' section on the left includes a dropdown for 'CH05', a checked 'For All' checkbox, and a 'Cancel' button. Below this is a 7x24 grid representing a weekly schedule. The 'Sun' row is entirely red. The 'Sat' row has red blocks for the first 4 hours (0-3) and the last 19 hours (5-23). The 'Mon' through 'Fri' rows are grey. At the bottom of the 'Schedule Rec.' section is a checked 'Enable schedule record' checkbox and an 'Apply' button. The 'Path' section on the right shows 'Drive' set to 'C:\', 'Available space' at 11,858 MB, 'Total space' at 20,481 MB, and 'Reserved space' at 400 MB. The 'Over write' checkbox is checked. Below this, the 'Record' path is 'C:\SecuritySystem\record' and the 'Snap shot' path is 'C:\SecuritySystem\snapshot'. Both sections have 'Apply' buttons at the bottom.

3.3.5 System

This function display the system information, user can check the CPU and memory usage.

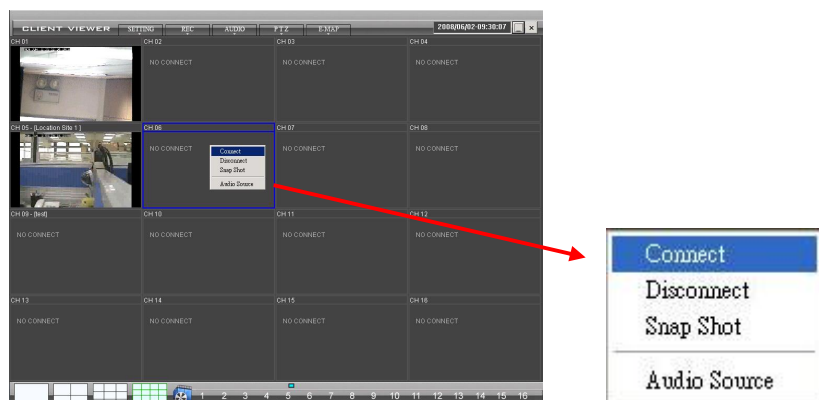
View mode: User can select channel view mode: 1/ 4/ 9/ 16 for display

Example: If user select CH4 and enable 1,5,10,14 channels then apply , user will see quad screen which include 1,5,10,14 channels .



After the first camera video connection, user can continue to connect another camera channel.

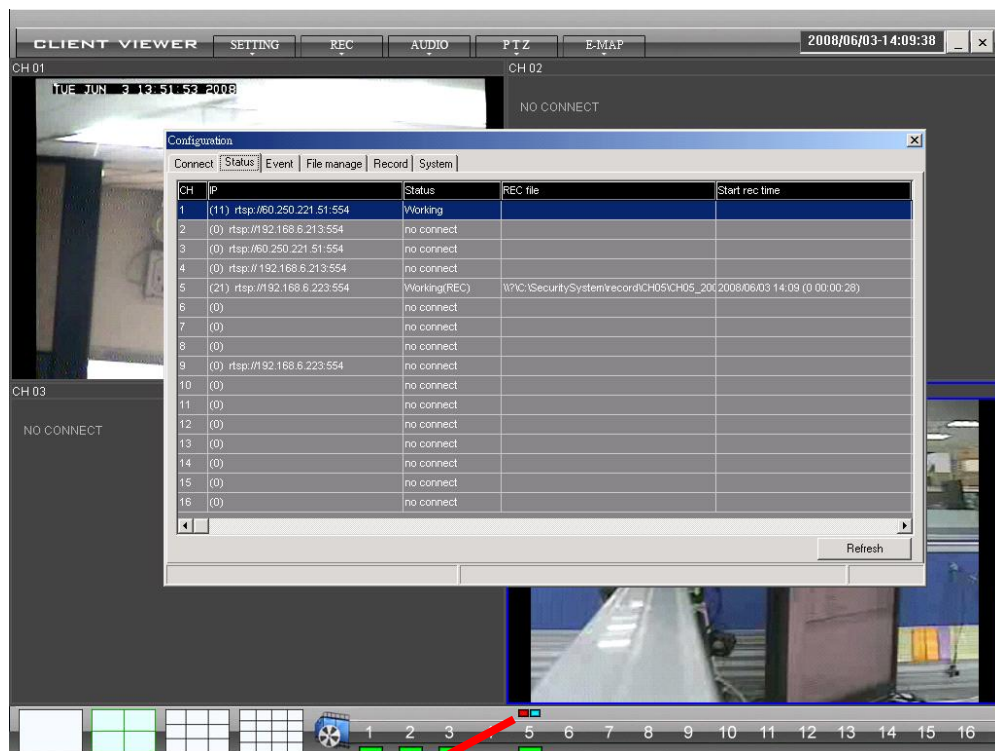
Example: On selected channel 6, click left button of mouse and then click right button of mouse to show shortcut menu.



Connect	Open configuration window
Disconnect	Terminate connection
Snap Shot	Take the current video picture
Audio Source	Audio mode on / off

3.3.6 Working Status

Status: IP Camera working status window



Blue color:

Under desired camera channel, click left button of mouse to choose then click right button to select Audio Source. Now user can hear sounds from live environment.

Red color

Under desired camera channel, click left button of mouse to choose then click menu bar "REC" button, system starts to record the camera to default path C:\SecuritySystem\record . Click REC button again to cancel video record. Each channel video will be saved in different directory.

Yellow color

On Audio Source mode, click left button of mouse to enter. And then click menu bar "AUDIO" to enable two way conversation mode.

4. E-map Function Setup

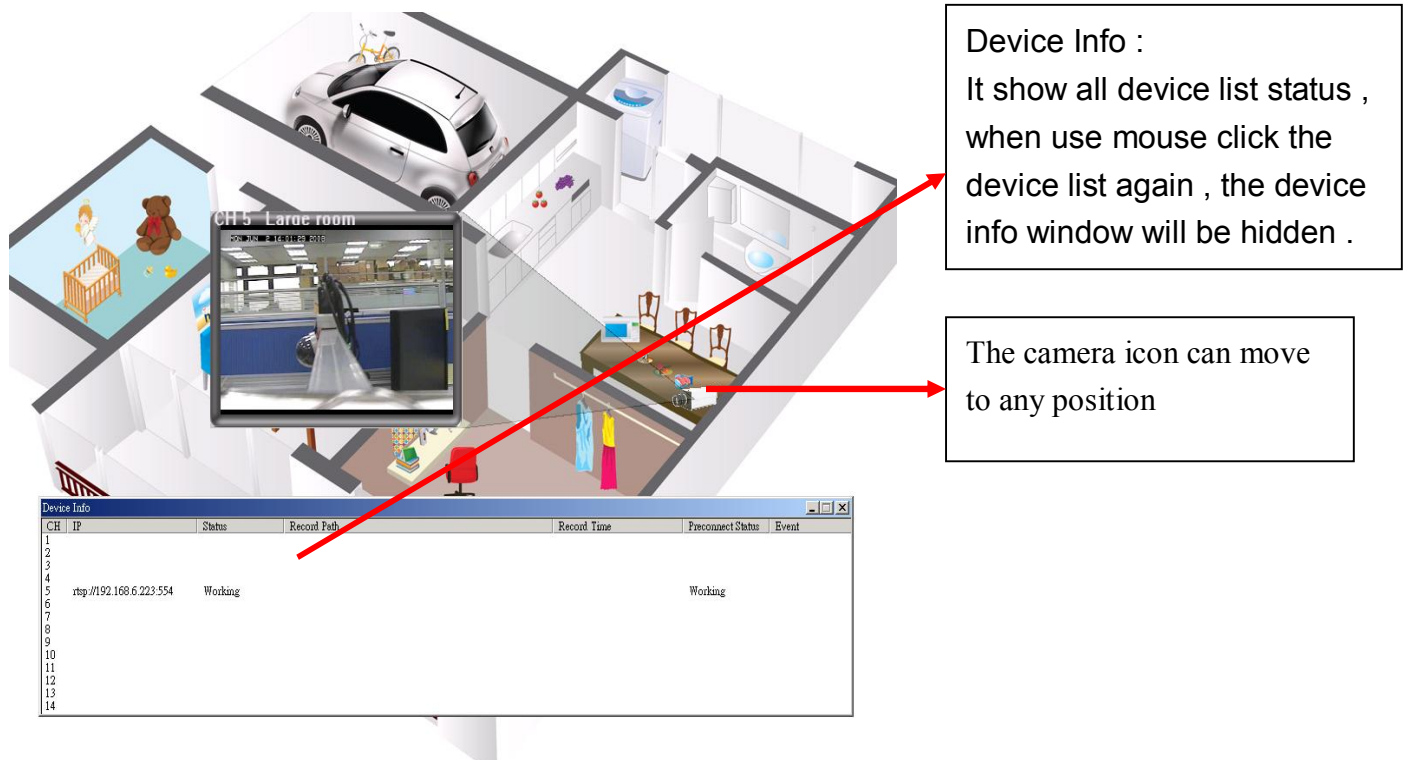
After user select E-Map function it will display a default map , user can setup all IP cameras on the map and show each camera location , user friendly interface design let user can see all IP cameras on the Map .



Device list	List all IP Camera connection status
Add Device	Add a new IP Camera on the MAP
Add All Device	Add all IP Camera on the MAP
Delete All Device	Delete all IP Camera on the MAP
Next Map	Change next MAP
Exit	Exit E-MAP function

4.1 Device List

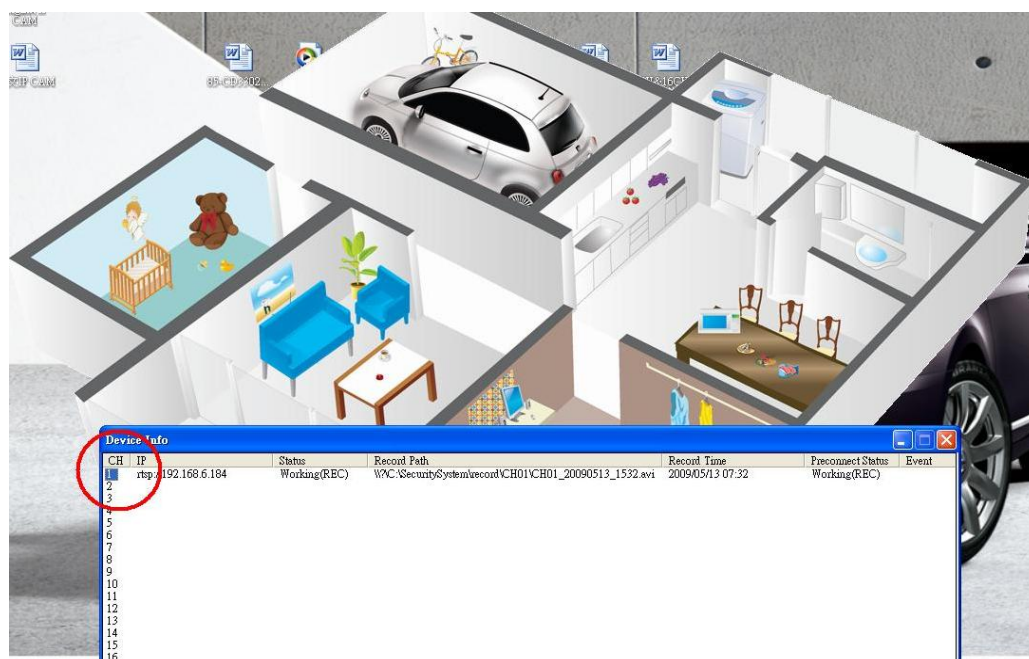
On the E-map user can move the camera icon to desire location and the camera video window also can use mouse to change windows size .



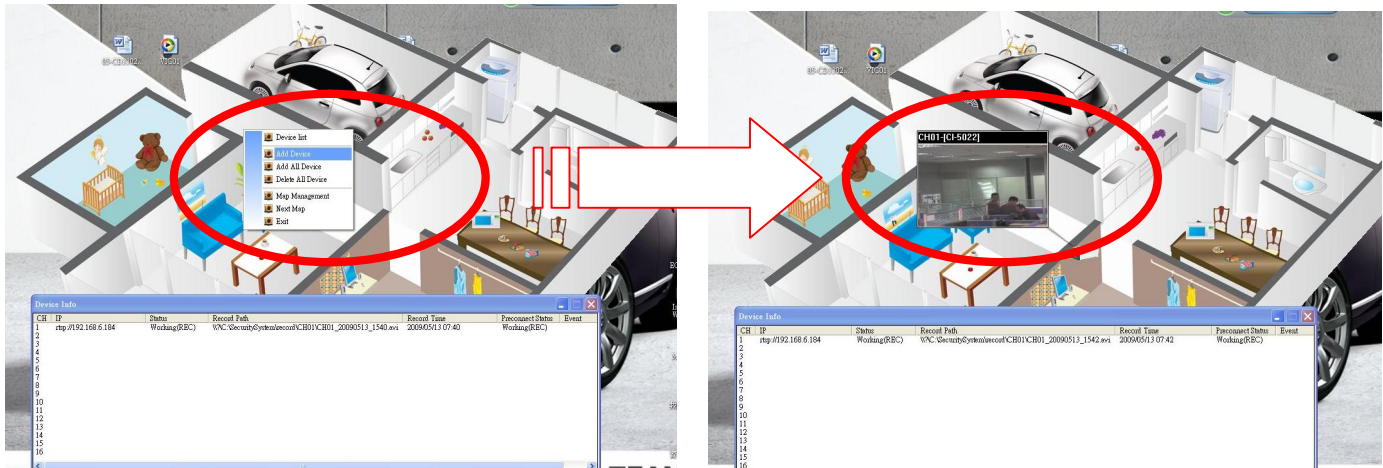
4.2 Add Device

User can add a new IP Camera on the E-map. Please follow the next steps,

Step 1. Click CH number on Device List window



Step 2. Move mouse cursor to E-map then click mouse right button. Select “Add Device” on the shortcut menu to add the IP Camera.



4.3 Add All Device

Let user add all IP cameras on the map that was setup on Security system viewer. User can move the IP Camera position to any place.

4.4 Delete All Device

Let user delete all IP cameras on the E-map.

4.5 Next Map

Use this function to change E-map.

4.6 Exit

Quit the E-map function and return to Security system viewer mode.

5. SPECIFICATIONS

Feature

- Embedded Linux
- Stand-alone TCP/IP Networking device platform
- Support NFS network schedule record
- Web server for remote setting
- Support intelligent motion detection (3 motion windows)
- Remote upgrade and configuration via network

Compression

- Support H.264 / MPEG-4 / MJPEG video compress
- Support H.264 / MPEG-4 / MJPEG dual bit streaming
- Support MP2, AMR-NB audio compress
- Support 2 way audio function
- Support 3G

Storage

- Support on-line backup with AVI file format
- Support SD Card backup for event recording

Networking

- Support RTSP, RTP over TCP/IP, support unicast & multicast
- Support Ethernet LAN 10/100 Mbps for remote view/control, recording data backup, and firmware update
- Optional Wi-Fi 802.11 b/g for supporting wireless LAN communication
- Support UPnP IGD device

I/O

- Support Digital I/O for 1 sensor input, 1 relay out.

Power

- Support +12V DC power adapter input system

6. Q & A

1. After function value changed and saved, user needs to wait while back to display mode.

Waiting...

Please wait...



2. Date and time caption shake if resolution is too low.

3. Time can only be set up 2038 / 01 / 18. This is a specification of an electric apparatus

4. User needs to reconnect IP camera after IP address is changed.

5. Sometimes the video displaying on viewer or IE is slower than actual live because the network transmission jam or resolution defines.

6. When network DHCP is ON, after IP address is saved; at this time if some mess words shows up, user please reset(the device reset button) IP camera .

7. Under desired camera channel, if user click left button of mouse to enter, the channel would have a little flash because the image is afresh.

8. Every event always triggered after previous event finished.

9. Use the PC/NB connected with IP Cam over 10 channels at the same time , if the screen display begin to lag or reconnect again and again , please check the client side PC/NB hardware , the root cause maybe the PC/NB RAM not enough , see the Hardware device chapter for your reference.

